

**THE NEW YORK CITY DEPARTMENT OF
ENVIRONMENTAL PROTECTION
*BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION***

CAPITAL PROJECT WM-11



CROTON WATER FILTRATION PLANT

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CM MONTHLY REPORT NO. 108

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CRO-311: SITE PREPARATION

1.0 SUMMARY

Site Preparation for the Croton Water Filtration Plant at Mosholu Golf Course was performed under Contract CRO-311. The Order to Commence Work was issued to the contractor on September 28, 2004. Substantial Completion was achieved on July 6, 2007. The CRO-311 Contractor finalized contract close-out items and received approval of their final MBE/WBE paperwork. The final contract amount is \$113,214,786 which includes all registered change orders.

2.0 SCHEDULE

Substantial completion (Milestone M-3) was achieved by Schiavone Construction on July 6, 2007. This was 2 days ahead of the contract completion date and 13 days ahead of the consent order milestone.

Please refer to Exhibit 1 – Construction Milestone Status, for detailed information on CRO-311 Contract and Consent Order Milestone Dates.

Activities performed this period include:

- No work performed this period.

3.0 ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- No work to be performed in the next period.

4.0 MAJOR ISSUES

- None.

CRO-312: WATER TREATMENT PLANT CONSTRUCTION

1.0 SUMMARY

Construction of the Water Filtration Plant is being performed under Construction Phase CRO-312, which consists of five (5) prime construction contracts (CRO-312G, E1, E2, H and P). Orders to Commence Work were issued to the CRO-312G, E1, E2 and H Contractors on August 21, 2007 and to the CRO-312P Contractor on December 31, 2007. Partial Extensions of Time have been processed for Contracts CRO-312G for 1,118 days, CRO-312E1 and CRO-312E2 for 730 days, CRO-312H for 663 days and CRO-312P for 913 days. To date, the contractors have invoiced a total of \$1,664,881,697 which is 84.4% of the current budget forecast amount of \$1,970,419,308 which includes registered and pending change orders.

2.0 SCHEDULE

The CRO-312 schedule had been revised, in accordance with the agreements previously made with all contractors, to re-sequence work activities so that Plant A will be ready for testing and startup activities ahead of Plant B.

Below is a table of CM projections for the completion of field system tests for Plants A and B, and the corresponding variance to the previous month's CM projections as of October 3, 2013.

Field System Test	Plant A Current CM Projection for Completion	Plant B Current CM Projection for Completion	Gain/(Loss) This Period Plant A	Gain/(Loss) This Period Plant B
Raw Water Pump, Rapid Mixer, Flocculator Systems	12/14/2012 (A)	4/24/2013 (A)	0	0
Backwash & Waste Backwash Systems	5/2/2013 (A)	8/7/2013 (A)	0	0
Dissolved Air Flotation System	3/26/2013 (A)	10/15/2013	0	(31)
UV Disinfection System (including cleaning system)	6/11/2013 (A)	10/9/2013	0	(21)
Chemical Feed Systems*	11/1/2013	11/14/2013	(16)	4

* Dates reflect completion of system retesting required by changes to Chemical System Control Strategies.

The slippage for the DAF System Field Testing in Plant B is a result of excessive pump vibration issues that needed to be investigated and was resolved over the past month. The issue has now been resolved and the CRO-312G Contractor can complete the DAF Field System Tests.

The slippage for the UV Disinfection Field System Testing in Plant B is driven by the CRO-312G Contractor allocating their resources to the completion of Plant A Field System Testing for the chemical systems in preparation of delivery of sodium hypochlorite and Plant A disinfection.

The schedule slippages in Chemical Field System Testing are due to Change Order CRO-312G-368 (Modify Control Strategies) and the required Pulsafeeder programming. The Pulsafeeder changes required for the chemical metering pumps are expected to be completed by October 21 - 30, 2013 for the different chemical systems. This will be followed by Field System Testing of the affected chemical systems which is projected to be completed by November 1, 2013 in Plant A and November 14, 2013 in Plant B.

The contractor's CPM Schedule Update No. 61 (data date September 1, 2013) forecasts that Contract Milestone No. 8 (Begin Startup and Testing of Plants A and B) will be achieved on May 13, 2014 which is the same date as the previous month and is 945 consecutive calendar days later than the contract milestone date. The driving path to achieve Milestone 8 is the CRO-312H Contractor's constraint on gas availability which in turn has impacted the start of the heating system testing and balancing. While the completion of the boiler is critical to achieving Milestone 8, the CM's Schedule Critical Path to begin Start-Up Testing is the Field System Testing for all of the Chemical Systems in Plants A and B.

The CM projection for the completion of Milestone No. 8 is November 14, 2013. This is a gain of 4 days and is due to starting disinfection prior to completion of Field System Testing as well as revisions to the duration for disinfection activities.

The CM projection includes the following assumptions to achieving Milestone 8 by November 14, 2013:

- Contractors (other than the CRO-312E1 and CRO-312H Contractors) continue to work on critical change orders prior to registration.
- Revisions to the control strategies for critical chemical systems, and the proving of these modifications, can be completed by November 1, 2013 in Plant A.

- Revised control strategies for the Chemical Systems and all of the Field System Testing can be completed by November 14, 2013 in Plant B.
- The Laboratory will be available for use by October 25, 2013. This work includes having painted sprinkler heads replaced in Zone OL-8, domestic water system piping disinfected (scheduled for October 4 - 7, 2013), balancing and final inspection of fume hood and ventilation, install sensitive laboratory equipment, and installation of temporary water heaters to supply the water required for the emergency eyewash/shower and one sink.
- Compaction of the PMCS System provides adequate capacity to implement the identified changes to programming, provides additional capacity for other issues that may develop during testing, and provides adequate spare capacity for future changes.

The contractor's CPM Schedule Update No. 61 (data date September 1, 2013) forecasts that Milestone No. 9 (Commence Operation of the WTP) will be achieved on July 12, 2014, which is the same date as the previous month and is 822 consecutive calendar days later than the contract milestone date. The primary driving activity to achieving Milestone No. 9 is the HVAC operational testing that is being driven by Milestone No. 8. Although the CM agrees that delays in achieving Milestone No. 8 are delaying Milestone No. 9, the contractors' CPM schedule does not include the correct driving activities on the critical path. The driving path should include Start-Up and Commissioning activities. Near critical paths which are critical to achieving Milestone No. 9 should include the completion of the modifications to the permanent fire and smoke detector systems which are included in Change Orders CRO-312E1-139 (Modification of Fire Alarm System Due to Removal of Smoke Detectors), CRO-312E1-140 (Modification of Field Electrical Work Due to Smoke Detector Removal) and CRO-312E1-144 (Modification of Smoke Detector Type and Location in HVAC Rooms).

The CM projection for Milestone No. 9 is April 22, 2014 which is 10 days earlier than the previous CM projection. The gain is due to projected disinfection and Start-Up and Testing of Plant A completing earlier than previously projected, which resulted in the Start-Up and Testing of Plant B to start earlier.

The CM projection includes the following assumptions to achieving Milestone No. 9 by April 22, 2014:

- Any potential future modifications to the PMCS programming that could impact the Field System Testing and/or plant start-up are not included.
- Construction work and any delays that occur as a result of a redesign of Valve Loops Nos. 3 and 4 in Plants A and B will be completed after Contract Milestone No. 9.
- FDNY approves the revised fire and smoke detector design documents and the CRO-312E1 contractor can complete the change order work prior to Milestone No. 9.
- Disinfection of the Treated Water Low Service Tunnel, which is not part of any contract, and is required after commissioning, is not included.

The contractor's forecast for overall completion of the above grade architectural work, not required to support Milestones Nos. 8 and 9, is April 19, 2016, which is 16 days earlier than the date projected last month. The gain is a result of progressing paver procurement activities. The CM projects that the final completion will be December 31, 2014, which is the same date from last month. The CM projection does not include the 1-year warranty and maintenance period at the end of construction while the contractors' CPM schedule does. The CM agrees with the contractor that the work required by Change Orders CRO-312G-118 (Architecture and Furnishings associated with the Above Grade Architectural Design), CRO-312G-246

(Landscaping Modifications), and CRO-312G-116 (Site Work Modifications Associated with Above Grade Architectural Design – Package 3) are on the critical paths to project completion. The gabion and retaining walls are approximately 50% complete, the roof drainage system is approximately 70% complete, and the installation of the geofoam on the roof is approximately 45% complete. The CRO-312P and CRO-312H contractors need to relocate their field trailers from the north side of the project in order for landscaping work to continue. The CRO-312P contractor is starting the process of relocating their trailers. Change Order CRO-312H-106 to relocate the CRO-312H contractor's trailers was negotiated on August 16, 2013 and has been sent to DEP for processing and registration. The CRO-312H Contractor is not proceeding with relocation until the change order is registered.

Major activities performed this period include:

CRO-312G

Civil

- Continued installation of exterior and interior finishes.
- Continued installation of site utilities.
- Continued installation of the geo foam and soil for green roof of plant.
- Continued installation of the gabion walls on the east, west, and south sides of the site.
- Continued installation and stone cladding of Site Wall Nos. 1 and 3.
- Continued installation of canopy at Chemical Fill Station.
- Continued finishes throughout the plant.
- Started installation of irrigation system on the plant roof.

Mechanical

- Continued the installation of pipe insulation in Plant A in the Pump Station.
- Continue flush procedures of the Chemical Storage Tanks in Plant A.

Instrumentation

- Continued loop checks in Plants A and B (99.9% complete).
- Continued field calibration of instruments in Plant A and Plant B (88% complete).
- Continued control strategy re-programming of Chemical Feed Systems required for Startup and Testing in Plant A.

Field System Testing

- Continued Field System Testing of Dissolved Air Flotation System in Plant B.

CRO-312E1

- Continued installation of conduit, cable and terminations throughout the plant.
- Continued installation of lighting fixtures on Lower and Operating Levels.
- Continued rough-in work in Foundation, Lower Level and Operating Level administrative areas.
- Continued installation of electrical ductbanks at entrance driveway.
- Completed check-out of emergency generator, switchgear and load bank.
- Continued to work a second shift.

CRO-312E2

- Continued maintenance of temporary light and power system.

CRO-312H

- Started the installation of fixed boiler platforms and ladders.
- Started air balancing of ductwork in chemical rooms.

- Started the installation of ductwork for relocated CRAC units 7347 and 7348 on the foundation level.
- Continued installation of HVAC supply and return piping in Arrivals and Receiving Building.
- Continued installation of louvers, ductwork, heat coils, and fans in Arrivals and Receiving Building.
- Continued installation of ductwork, registers, and insulation throughout the plant.
- Continued installation of instrumentation for HVAC systems throughout the plant.
- Continued preliminary checkout and testing of HVAC equipment.
- Continued installation and testing of temporary smoke detectors and fire smoke damper wiring modifications for fan shutdown in accordance with FDNY waiver in chemical rooms.

CRO-312P

- Completed set up for disinfection of potable water systems critical to plant startup.
- Completed installation of finish nozzles for Novec piping in chemical rooms on the Operating Level.
- Started work on installation of eyewash units for Polymer wash down areas Room OL-010 (Change Order CRO-312P-099).
- Started testing of Sprinkler Systems on The Foundation Level Zone 4.
- Complete preliminary testing of sump pumps
- Continued field equipment testing of eyewash stations in the plant.
- Continue equipment identification installation on the Foundation Level.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

CRO-312G

Civil

- Continue installation of exterior and interior finishes.
- Continue installation of site utilities.
- Continue installation of the geo foam and soil for the green roof.
- Continue installation of the gabion walls on the east, west, and south sides of the site.
- Continue installation and stone cladding of Site Wall Nos. 1 and 3.
- Continue installation of canopy at Chemical Fill Station.
- Continue finishes throughout the plant.
- Continue installation of irrigation system on the plant roof.

Mechanical

- Continue pipe insulation in Plant A in the Pump Station.
- Continue flush procedures of the Chemical Storage Tanks in Plant A.

Instrumentation

- Continue field calibration of instruments.
- Complete control strategy re-programming pulse feeder of Chemical Feed Systems required for Startup and Testing in Plant A.

Field System Testing

- Complete Field System Testing of Dissolved Air Flotation System in Plant B.
- Complete Field System Testing of UV System in Plant B.
- Continue Field System Testing of Chemical Systems in Plant A.

CRO-312E1

- Complete testing of Emergency Generator.
- Continue installation of conduit, cable and terminations throughout the plant.

- Continue installation of lighting fixtures on Foundation and Lower Level.
- Continue rough-in work in Lower Level and Operating Level administrative areas.
- Continue installing electrical ductbanks at entrance.
- Continue to work a second shift.

CRO-312E2

- Continue maintenance of temporary light and power system.

CRO-312H

- Start installation of the roof top unit for the split system on the Chemical Fill Building.
- Continue installation of fixed boiler platforms and ladders.
- Continue air balancing of ductwork.
- Continue the installation of ductwork and damper controls for relocated CRAC units 7347 and 7348 on the foundation level.
- Continue fan control conduit and wiring in the Chemical Fill Building Vaults.
- Continue installation and testing of temporary smoke detectors and fire smoke damper controls in chemical rooms in accordance with FDNY waiver.
- Continue installation of heat pumps, coils, fans, piping, and ductwork in the Arrivals and Receiving Building.
- Continue chemical treatment of HVAC supply and return piping throughout the plant.
- Continue installation of instrumentation for HVAC systems throughout the plant.
- Continue preliminary checkout and testing of HVAC equipment.
- Continue installation of ductwork, registers, and ductwork insulation throughout the plant.

CRO-312P

- Disinfect potable water systems critical to startup of the plant.
- Complete testing of eyewash stations in the plant.
- Continue room integrity and electrical testing of NOVEC systems.
- Complete installation of eyewashes in the Chemical Fill Station.
- Continue equipment identification installation on the Lower Level.
- Finalize testing of Sprinkler Systems on The Foundation Level Zone 4.
- Begin testing of Sprinkler Systems on The Foundation Level Zone 3.
- Begin preliminary testing of the fire pump.

4.0 MAJOR ISSUES

- A total of sixty-eight (68) CRO-312 change orders have been identified to date to address Package III Architectural revisions for the above grade structures at the Water Filtration Plant. Sixty-seven (67) of these change orders have been issued to date. Sixty-seven (67) Engineer's Estimates and sixty-four (64) contractor's cost proposals have been submitted. Negotiations for sixty-two (62) change orders have been finalized and fifty-seven (57) are registered.
- The CRO-312E1 contractor has stated they will not work on the following change orders until they are registered. While this will not affect the ability to perform startup and testing activities, it will negatively impact achieving Milestone 9 and the ability to place the Water Treatment Plant into operation. Critical change orders affected by this decision are as follows:

§ CRO-312E1-140 (Modification of Field Electrical Work Due to Smoke Detector Removal): The contractor's cost proposal which had been scheduled

to be submitted by August 15, 2013, was actually received on September 3, 2013 and negotiations completed on September 20, 2013. COWO request was sent to DEP for processing on October 2, 2013.

§ CRO-312E1-144 (Modification of Smoke Detector Type and Location in HVAC Rooms): The contractor's cost proposal which had been scheduled to be submitted by August 15, 2013, was actually submitted on September 5, 2013 and negotiations are in progress.

- Change Order CRO-312H-100 (Provide Duct Smoke Detectors due to Removal of Process Area Smoke Detectors) was issued to the contractor on May 6, 2013 to provide modifications to the smoke detection system by installing 14 additional duct smoke detectors. These modifications are required to provide the ability to shut down the ventilation units. Change order negotiations were completed on September 4, 2013 and the change order was approved as a contingency work order on October 3, 2013. Delays in completing this change order work may delay the Field System Testing for the heating and ventilation systems.
- Change Order CRO-312H-109 (Temporary Smoke Detectors for Boiler and Gas Meter Rooms) was negotiated on September 11, 2013; registration is pending. The contractor has ordered the material and material delivery is expected in approximately mid-October 2013. Equipment delivery is being expedited. The CRO-312H contractor has indicated that they will not work on time and material change orders due to recent issues with Line H deductions.
- Temporary waivers have been granted allowing for use of the Emergency Generator/Fuel Oil System and Chemical Rooms prior to the fire suppression and fire alarm systems being made operational. As a condition of the waivers several requirements were made by the FDNY. All requirements for the Emergency Generator/Fuel Oil System have been completed, fuel oil has been delivered and testing of the emergency generator has been completed. The painted sprinkler heads have been replaced and the system energized for the Sodium Hypochlorite Bulk Storage Room (Zone FL-4). The permanent exhaust fans for the sodium hypochlorite tank rooms required for disinfection are now in operation.
- Activation of the Gas Piping to the Boilers - DEP submitted a letter to Con Edison on September 17, 2013, requesting energization of the gas system. Con Edison is scheduled to perform a final inspection on October 7, 2013. The date for Con Edison to turn on the gas to be determined based on the results of the inspection.
- On July 26, 2013, during Field System Testing of Plant A, a number of valve communications issues were observed that raised concerns about the long term reliability of the valve loop system. A final testing protocol to test valve communication loop reliability was sent to Skanska on October 2, 2013. Skanska will retest the loop communication based on the updated protocol. Retesting is estimated to take a day and is expected to be completed the week of October 7 – 11, 2013.

Skanska provided a report on the cause of the board failure in Air Scour Valve No. 8, including diagnostics regarding information broadcasts and the reason that the Master Station did not reboot after Valve No. 8 shut down. The DJV is evaluating this report.

- Change Order CRO-312G-368 (Modify Control Strategies) was registered on June 24, 2013. This change order included miscellaneous changes to the Control Strategies for the chemical systems followed by re-running the Field System Tests for these systems. All of the programming packages have been delivered for both Plants. In addition, reprogramming by Pulsafeeder is required for the chemical metering pumps. The CRO-312G Contractor has completed negotiations with Pulsafeeder and Pulsafeeder is scheduled to start re-programming on October 7, 2013 and it is estimated this work will take approximately 2-3 weeks to complete. It will take a week to develop the changes to the programming. Once this has been done, the programming changes will be field tested on one pump and, if successful, changes will be made to the remaining pumps in Plants A and B. Re-running the Field System Tests is planned to be completed by November 1, 2013 in Plant A and by November 14, 2013 for Plant B.

Also included in this change order is compaction of the PMCS to create additional usable dynamic data block (DDB) capacity. The compaction of the system database was completed and successfully restored approximately 600 DDB. It now has to be determined if there is sufficient capacity for the known changes and to provide additional spare capacity. If there is not sufficient spare capacity, an additional server will need to be added.

- Several new mechanical change orders were recently identified that could impact the startup and testing in Plant A. The change orders are as follows:
 - § CRO-312G-402 – Provide Fittings and Valves for Maintenance
 - § CRO-312G-409 – Provide Air/Vacuum Release Valves on the Dry Well Dewatering Pipes
 - § CRO-312G-413 – Replace Level Switch in Acid Bulk Storage Tanks Overflow Section
 - § CRO-312G-415 – Provide Swing-flex Check Valves on Pump Station Dewatering Piping
 - § CRO-312G-417 – 30-inch SPRV (Safety Pressure Relief Valve) Modifications

A price has been negotiated for Change Order CRO-312G-402 on October 3, 2013 and Change Order CRO-312G-409 was issued to the contractor on September 25, 2013. The DJV must expedite writing the remaining change orders, the CRO-312G Contractor and CM must expedite negotiation and the CRO-312 Contractor must expedite the work.

- The CRO-312 Contractors continue the process of performing vendor training for BWSO personnel. Six (6) Vendor Training sessions were completed in September 2013. Six (6) Vendor Training sessions are currently scheduled in October 2013 and none yet in November 2013. The status of O&M Manuals and Vendor Training is as follows:

O&M Manuals:

Contract	Number of O&M Manuals Required	Number of O&M Manuals Submitted	Number of FAS/FAC O&M Submittals	% of O&M Manuals Approved
CRO-312G	129	126	122	95%
CRO-312E1	19	16	12	63%
CRO-312E2	4	4	4	100%
CRO-312H	58	55	50	86%
CRO-312P	36	35	35	97%

Vendor Training Lesson Plans:

Contract	Number of Vendor Training Lesson Plans Required	Number of Vendor Training Lesson Plans Submitted	Number of FAS Vendor Training Lesson Plan Submittals	% Vendor Training Lesson Plan Submittals Approved (FAS)
CRO-312G	89	86	86	97%
CRO-312E1	19	10	5	26%
CRO-312E2	7	5	5	71%
CRO-312H	32	29	29	91%
CRO-312P	21	11	10	48%

Vendor Training Sessions:

Contract	Number of Vendor Training Sessions Required	Vendor Training Sessions Complete **	% Vendor Training Sessions Complete	Upcoming Vendor Training Sessions Scheduled
CRO-312G	120	112	93%	0
CRO-312E1	19	6	32%	0
CRO-312E2	4*	4	100%	0
CRO-312H	38	13	34%	6
CRO-312P	21	6	29%	0

* - 13.2kV and 4.16kV training was combined

** - Note, that some training sessions are provided separately for Classroom training and Field training. Completed sessions reflect both Classroom training and Field training has been completed.

Remaining Training Sessions (Summary of all Contracts):**Process Training**

Number of Vendor Training Sessions Remaining	3
Number of Training Days Available Until Start-up and Testing of Plants A & B (12/05/13)	32

Non-Process Training

Numbers of Vendor Training Sessions Remaining	37
Number of Training Days Available Until Commissioning Testing of Plants A & B to JPR (5/02/14)	104

Weekly Training meetings are being held with all Contractors for the Contracts listed above to review training progress and outstanding issues with training submittals and training sessions.

CRO-312OS: OFFSITE FACILITIES

Construction of the Offsite Facilities work at Jerome Park Reservoir and Gate House No. 1 is being performed under Construction Phase CRO-312OS, which consists of four (4) prime construction contracts (CRO-312OS-G, E, H and P). Orders to Commence Work were issued on February 2, 2009 for Contracts CRO-312OS-G, E and H. Contract CRO-312OS-P was given the order to commence work on May 11, 2009. Partial Extension of Time requests were granted for CRO-312OS-G for a total of 440 days on September 23, 2013. CRO-312OS-E has submitted a request on September 25, 2013 for a total 494 days which is currently under review by DEP. CRO-312OS-P was granted a Partial Extension of Time for a total of 406 days on September 23, 2013. CRO-312OS-H was granted a Partial Extension of Time for a total of 295 days on May 1, 2013 and needs to submit a new request in the near future. To date, the contractors have invoiced a total of \$124,225,450, which is 82.1% of the current budget forecast amount of \$151,336,492, and includes registered, as well as pending, change orders.

2.0 SCHEDULE

CRO-312OS Schedule Update No. 47 (with a data date of September 1, 2013) reports the completion of Milestone No. 2 (Activation of Low Service Treated Water Tunnel) on October 19, 2012, 424 consecutive calendar days later than the contract required date. Milestone No. 3 (Activation and Use of Croton Distribution Chamber) completion is forecasted for December 13, 2013, a loss of 4 days, 673 consecutive calendar days later than the date required in the contract. The contractor forecasts that Substantial Completion will be achieved on May 7, 2014 a loss of 30 days, which is 447 consecutive calendar days later than specified in the contract documents.

Milestone	Contract Milestone	Contractor's Forecasted Completion Update 47	Contractor's Forecast Gain\ (Loss) from Update 46	Current CM Projected Completion	CM Projection Gain\ Loss from Previous Month
M1	*	-	-	-	-
M2	8/22/2011	10/19/2012(A)	0	5/24/2013(A)	0
M3	2/9/2012	12/13/2013	(4)	1/31/2014	(32)
Substantial Completion	1/22/2013	5/7/2014	(30)	6/30/2014	(61)

* - work associated with Milestone M1 was deleted by Change Orders CRO-312OS-G-001 and CRO-312OS-G-004.

The contractors' CPM Update No. 47 completion date for Milestone No. 2 remains October 19, 2012, following the installation of air release valve on the low service shaft cap. The CM Milestone No. 2 completion date is May 24, 2013. The CM date is based upon completion of change order work items, including forebay wall repair in Gate House No. 5, located below the maximum water level that needed to be completed to achieve Milestone No. 2.

The critical path to Milestone No. 3 is driven by Change Order CRO-312OS-G-049 (Entry Point Monitoring System) shop drawings, fabrication, installation and testing of the Entry Point Monitoring System. The contractors' forecast date of December 13, 2013 for Milestone No. 3 represents a loss of 4 ccds this reporting period. This slip is driven by approval of sample pump

shop drawings associated with Change Order CRO-312OS-G-049. The contractors schedule forecasted sample pump shop drawing being approved and the pump released for fabrication by September 10, 2013. The CM projection for Milestone No. 3 completion is January 31, 2014 which is 32 cdds later than projected in the last period. The CM projection is based upon the expectation that the Entry Point Monitoring sample pump will be approved and released for fabrication no later than October 11, 2013.

The contractors' forecasted date for project completion is May 7, 2014, which is a loss of thirty (30) calendar days this reporting period. This loss is driven by the CRO-312OS-G Contractors delays in the valve chamber waterproofing and installation of the 48-inch water main outside of Gate House No. 7. The CM's projection for achieving substantial completion is June 30, 2014, a loss of 61 cdds this reporting period. The CM projection is based upon the following issues:

- The DEP has requested additional lead paint abatement in Shaft 3. This will delay the start of pipe work in Shaft 3.
- Shaft 3 structural framing and grating shop drawings have been on hold pending the final design of work associated with Shaft 3 small piping modification.
- The instrumentation and signaling modification at House No. 7/Shaft 3 included in Change Order CRO-312OS-G-103 has not been finalized.

Major activities performed this period include:

CRO-312OS-G

- Adjusted/operated sluice gates in Gate House No. 5.
- Repaired emergency bypass valve stem in Gate House No. 5.
- Installed waterproofing and chemical grout for Emergency Bypass walls.
- Replace temporary bolts in Sedgwick Avenue valve chamber with blue bolts
- Completed street connections to east and west trunk mains at Goulden Avenue near Gate House No. 7.
- Paved Goulden Avenue and opened it to traffic on September 6, 2013.
- Installed sodium hypochlorite piping in Gate House No. 5.

CRO-312OS-E

- Installed conduits and wiring for the PLC-5 relocation (under Change Order CRO-312OS-E-036) and miscellaneous electrical work (under Change Order CRO-312OS-E-038) at Gate House No. 5.
- Removed electrical wiring and devices associated with fire alarm panel in the basement of Gate House No. 6.

CRO-312OS-H

- No work performed this period.

CRO-312OS-P

- No work this period.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

CRO-312OS-G

- Complete leakage and disinfection testing of trunk main connections in Goulden Avenue.
- Continue installing piping and venturi meter chambers in grass area outside Gate House No. 7.
- Start filling in lower level at Gate House No. 6 with flowable fill mix under Change Order CRO-312OS-G-101.

CRO-312OS-E

- Install conduits and wiring for the relocation of PLC-5 in Gate House No. 5.
- Install level sensor electrical wiring termination in Gate House Nos. 2 & 3 under Change Order CRO-312OS-E-026.
- Install conduits and wiring in Gate House No. 5 under Change Order CRO-312OS-E-020 (Entry Point Monitoring).

CRO-312OS-H

- Test HVAC equipment in Croton Distribution Chamber.

CRO-312OS-P

- Complete punch list work.

4.0 MAJOR ISSUES

- **Gate House No. 1 - 3 Phase Electric Service:** The CM and Con Edison met on August 30, 2013 to develop a plan to supply permanent power to Gate House No. 1. The CM is preparing an estimate based upon this plan. A follow up meeting is scheduled with Con Edison for October 9, 2013.
- **Gate House No. 5 /Croton Distribution Chamber –**
 - § Entry Point Monitoring Equipment: Change Order CRO-312OS-G-103 has been identified to address instrumentation changes. Change Order CRO-312OS-G-049 panels have been released for manufacturing. The comments on the sample pump have been addressed by the manufacturer and are being reviewed by Design JV. The pump is expected to be released no later than October 11, 2013.
 - § Sodium Hypochlorite System: Change Order CRO-312OS-G-004R2 has been identified and needs to be issued to add the magnetic flow meters measuring the service water and chemicals. It also includes the monorail for the Emergency Bypass stop logs and the hoist for sump pump.
 - § Emergency Bypass Leakage: During an inspection of Gate House No. 5, a water leak in Gate House No.5 was observed in the Bypass channels and the sump pump pit. The CRO-312OS-G Contractor has grouted joints in the Emergency Bypass walls and is repairing one of the 48-inch valves.
- **South Bronx Valve Chamber (SBVC) –** Change Order CRO-312OS-G-099, to change the small valves in SBVC, was issued to the CRO-312OS-G Contractor on September 25, 2013. Change Order CRO-312OS-E-040 to eliminate electrical service was negotiated on September 5, 2013 and is currently being processed by DEP for registration.
- **Gate House No. 7 Street Connections and Shaft 3 Water Main Work**
 - Street water main connections in Goulden Avenue commenced on July 1, 2013. Two 48-inch steel water mains have been installed and Goulden Ave. was reopened to traffic on September 6, 2013. Final street restoration is pending successful water main pressure testing.
 - The DEP has directed the CRO-312OS-G Contractor to perform additional lead paint abatement in Shaft 3. Start of this work is pending submission of an updated work plan.
 - Interior pipe work in Shaft 3 will start after completion of lead paint abatement, the return of the east and west trunk mains to service and the shutdown of the Shaft 3 piping. DEP/CM will coordinate with BWSO for the Shaft 3 water shutdown and OCMC for the partial traffic closure at Sedgwick Avenue.

- Framing and grating under Change Order CRO-312OS-G-066 are being held up due to a pending change order for small valves and piping. This change order needs to be identified.
- The Guard Valve included under Change Order CRO-312OS-G-078 for the South Riser inside Shaft 3 was released for manufacturing on July 2, 2013. This valve requires an estimated 6 months of lead time and also requires a Shaft 3 shutdown for the installation.
- Design JV issued Change Orders CRO-312OS-G-103 (Additions and Relocations of Shaft 3 Instrumentation) and CRO-312OS-E-041 (Electrical Work due to Shaft 3 Instrumentation Modifications) for Instrumentation and Signaling Changes at Shaft 3/Gate House No. 7.
- The CRO-312-OS Contractors have started the process of submitting O&M Manuals, and Vendor Training Lesson Plans. No actual vendor training sessions have been completed for BWSO personnel on any of the CRO-312-OS Contracts, to date. One Training session has been scheduled in October for Contract CRO-312-OS-G. The status of O&M Manuals and Vendor Training is as follows:

O&M Manuals:

Contract	Number of O&M Manuals Required	Number of O&M Manuals Submitted	Number of FAS/FAC O&M Submittals	% of O&M Manuals Approved
CRO-312-OS-G	46	10	7	15%
CRO-312OS-E	12	9	9	75%
CRO-312-OS-H	6	2	0	0%
CRO-312-OS-P	13	9	7	53%

Vendor Training Lesson Plans:

Contract	Number of Vendor Training Lesson Plans Required	Number of Vendor Training Lesson Plans Submitted	Number of FAS Vendor Training Lesson Plan Submittals	% Vendor Training Lesson Plan Submittals Approved (FAS)
CRO-312-OS-G	15	5	1	7%
CRO-312OS-E	8	0	0	0%
CRO-312-OS-H	5	0	0	0%
CRO-312-OS-P	7	1	0	0%

Vendor Training Sessions:

Contract	Number of Vendor Training Sessions Required	Vendor Training Sessions Complete	% Vendor Training Sessions Complete	Upcoming Vendor Training Sessions Scheduled
CRO-312-OS-G	15	0	0%	1
CRO-312OS-E	8	0	0%	0
CRO-312-OS-H	5	0	0%	0
CRO-312-OS-P	7	0	0%	0

Periodic Training meetings will be scheduled and held with all Contractors for the CRO-312-OS Contracts to review training progress and outstanding issues. A status meeting was held on September 9, 2013 for Contract CRO-312-OS-G and on September 19 for Contract CRO-312-OS-H. The Contractors are working with the equipment vendors to obtain O&M Manuals and Training submittals, get the submittals approved and schedule the Training sessions.

CRO-312FM: RESIDUALS FORCE MAIN TO HUNTS POINT**1.0 SUMMARY**

Contract CRO-312FM for the Residuals Force Main to Hunts Point WPCP was bid on February 10, 2009. The Order to Commence Work was issued to the contractor on August 17, 2009. To date, the contractor has invoiced a total of \$2,243,079, which is 75.7% of the total current budget forecast amount of \$2,964,955 which includes registered and pending change orders.

2.0 SCHEDULE

Substantial completion of the CRO-312FM Contract was achieved on January 14, 2013 when the CRO-312FM contractor completed permanent test pit restoration (under Change Order CRO-312FM-023). Punch list work was completed on June 4, 2013.

Major activities performed this period include:

- None.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- Negotiate Change Order CRO-312FM-024 (Reconciliation of Contract Item G-LS-1).
- Issue Article 44 Certificate of Substantial Completion.

4.0 MAJOR ISSUES

- None.

CRO-313: TUNNELS AND ASSOCIATED WORKS**1.0 SUMMARY**

Tunnel work associated with the Water Filtration Plant construction is being performed under Contract CRO-313. The Order to Commence Work was issued on August 23, 2006. To date, the contractor has invoiced a total of \$205,645,619 which is 100% of the final contract amount and includes all registered change orders.

2.0 SCHEDULE

Substantial Completion of CRO-313 was achieved on February 25, 2011. Substantial Completion was completed 28 consecutive calendar days earlier than the Contract Milestone date of March 25, 2011.

Major activities performed this period include:

- Continuation of closeout activities by the CM.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- Continuation of closeout activities by the CM.

4.0 MAJOR ISSUES

- None.

CRO-315: DEMOLITION AND MODIFICATIONS OF STRUCTURES AT JEROME PARK RESERVOIR

1.0 SUMMARY

Demolition and modifications of the structures at Jerome Park Reservoir are being performed under Construction Phase CRO-315 which consists of two prime construction contracts (CRO-315G and CRO-315E). The Orders to Commence Work were issued to the contractors on August 27, 2007. The total invoiced amount of \$4,595,472 is 100% of the final contract amount and includes all registered change orders.

2.0 SCHEDULE

Final acceptance testing of the scrubber system was completed on March 11, 2010. Substantial Completion was achieved by both the CRO-315G and CRO-315E Contractors on May 26, 2010. The one year guarantee period expired on May 25, 2011. There are no Consent Order Milestones associated with these contracts. Final Extensions of Time have been approved for both contracts.

Major activities performed this period include:

- Continuation of contract closeout activities by the CM.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- Continuation of contract closeout activities by the CM.

4.0 MAJOR ISSUES

- The CRO-315G Contractor filed a claim for damages for delay with the New York City Comptroller which is still pending determination.

CONSTRUCTION / CM MILESTONE STATUS

WM-11 CROTON WATER TREATMENT PLANT

SEPTEMBER 30, 2013

Version Date: 1/27/2010

Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:		Previous Forecast Date (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
						Latest CPM Update	CM's Projection			
(A)	(B)	(C)	(D)	(E)	(F)	(G1)	(G2)	(H)	(J)=(F)-(G2)	(J)=(H)-(G2)
CRO-311 - Site Preparation										
CRO-311	14	Issue Notice to Proceed for Site Preparation	Consent - Major	9/10/2004	9/10/2004	9/28/2004	9/28/2004	A	9/28/2004	-18
CRO-311	M-0	Relocation of Golf Course Facilities (by City)	Contract	11/17/2004	11/17/2004	11/17/2004	11/17/2004	A	11/17/2004	0
CRO-311	M-1	Substantial Completion of Traffic Improvement Work	Contract	4/29/2005	4/29/2005	4/29/2005	4/29/2005	A	4/29/2005	0
CRO-311	16	Complete Traffic Improvements	Consent - Major	6/1/2005	6/1/2005	4/29/2005	4/29/2005	A	4/29/2005	33
CRO-311	A	Complete 25% of Excavation	Consent - Interim	12/31/2005	12/31/2005	10/7/2005	10/7/2005	A	10/7/2005	85
CRO-311	M-2	Complete Excavation and Disposal of 320,000 CY of Rock	Contract	1/1/2006	1/1/2006	1/1/2006	1/1/2006	A	1/1/2006	-11
CRO-311	B	Complete 50% of Excavation	Consent - Interim	7/1/2006	7/1/2006	3/25/2006	3/25/2006	A	3/25/2006	98
CRO-311	M-3	Substantial Completion of CRO-311	Contract	7/8/2007	7/8/2007	7/8/2007	7/8/2007	A	7/8/2007	2
CRO-311	25	Complete Site Preparation for WTP	Consent - Final	7/19/2007	7/19/2007	7/8/2007	7/8/2007	A	7/8/2007	13
CRO-311		Contract Closeout Complete				8/1/2010	8/1/2010	A		
CRO-312G - Water Treatment Plant Construction - Structures and Equipment										
CRO-312G	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	A	6/1/2006	0
CRO-312G	23	Issue Notice to Proceed	Consent - Major	2/8/2007	2/8/2007	8/21/2007	8/21/2007	A	8/21/2007	-194
CRO-312G	G	Start Structural Concrete Placement for WTP	Consent - Interim	11/30/2007	11/30/2007	10/31/2007	10/31/2007	A	10/31/2007	30
CRO-312G	M-1	Start Structural Concrete Placement for WTP	Contract	5/11/2008	5/11/2008	10/31/2007	10/31/2007	A	10/31/2007	183
CRO-312G	H	Place 15% of Structural Concrete for WTP	Consent - Interim	5/31/2008	5/31/2008	5/12/2008	5/12/2008	A	5/12/2008	19
CRO-312G	I	Place 40% of Structural Concrete for WTP	Consent - Interim	10/31/2008	10/31/2008	11/21/2008	11/21/2008	A	11/21/2008	-21
CRO-312G	M-2	Place 15% of Structural Concrete for WTP	Contract	11/10/2008	11/10/2008	5/12/2008	5/12/2008	A	5/12/2008	182
CRO-312G	M-3	Place 40% of Structural Concrete for WTP	Contract	4/12/2009	4/12/2009	11/21/2008	11/21/2008	A	11/21/2008	142
CRO-312G	J	Place 65% of Structural Concrete for WTP	Consent - Interim	4/30/2009	4/30/2009	7/27/2009	7/27/2009	A	7/27/2009	-88
CRO-312G	M-4	Place 65% of Structural Concrete for WTP	Contract	10/10/2009	10/10/2009	7/27/2009	7/27/2009	A	7/27/2009	75
CRO-312G	L	Place 95% of Structural Concrete for WTP	Consent - Interim	4/15/2010	4/15/2010	4/30/2010	4/30/2010	A	4/30/2010	-15
CRO-312G	M-5	Place 95% of Structural Concrete for WTP	Contract	9/25/2010	9/25/2010	4/30/2010	4/30/2010	A	4/30/2010	148
CRO-312G	M	Complete Installation of Flocculators (w/o Startup & Testing)	Consent - Interim	10/31/2010	10/31/2010	10/27/2010	10/27/2010	A	10/27/2010	4
CRO-312G	M-7	Complete Installation of Flocculators (w/o Startup & Testing)	Contract	4/12/2011	4/12/2011	10/27/2010	10/27/2010	A	10/27/2010	167
CRO-312G	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	9/29/2010	A	9/29/2010	33
CRO-312G	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/14/2013		11/18/2013	-928
CRO-312G	28	Substantial Completion - Begin Startup and Testing	Consent - Major	5/1/2011	5/1/2011	5/13/2014	11/14/2013		11/18/2013	-928
CRO-312G	M-8	CRO-312G E1 E2&H Begin Startup and Testing	Contract	10/1/2011	10/1/2011	5/13/2014	11/14/2013		11/18/2013	-765

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Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:		Previous Forecast Date (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
						Latest CPM Update	CM's Projection			
(A)	(B)	(C)	(D)	(E)	(F)	(G1)	(G2)	(H)	(I)=(F)-(G2)	(J)=(H)-(G2)
CRO-312G	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/4/2014	2/14/2014	-858	10
CRO-312G	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312G	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312G	M-9	CRO-312G E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/12/2014	4/22/2014	5/2/2014	-741	10
CRO-312G		Substantial Completion	Contract	4/11/2012	4/11/2012	4/16/2015	12/31/2014	12/31/2014	-994	0
CRO-312G		Contract Closeout Complete					7/1/2016			
CRO-312E1 - Water Treatment Plant Construction - Electrical Work (Low Voltage)										
CRO-312E1	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312E1	C	Issue Notice to Proceed	Consent - Interim	2/8/2007	2/8/2007	8/21/2007	8/21/2007	8/21/2007	-194	0
CRO-312E1	25	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312E1	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/14/2013	11/18/2013	-928	4
CRO-312E1	N	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/13/2014	11/14/2013	11/18/2013	-928	4
CRO-312E1	M-8	CRO-312G,E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/13/2014	11/14/2013	11/18/2013	-765	4
CRO-312E1	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/4/2014	2/14/2014	-858	10
CRO-312E1	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312E1	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312E1	M-9	CRO-312G,E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/12/2014	4/22/2014	5/2/2014	-741	10
CRO-312E1		Substantial Completion	Contract	4/11/2012	4/11/2012	4/16/2015	12/31/2014	12/31/2014	-994	0
CRO-312E1		Contract Closeout Complete					7/1/2016			
CRO-312E2 - Water Treatment Plant Construction - Electrical Work (High Voltage)										
CRO-312E2	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312E2	C	Issue Notice to Proceed	Consent - Interim	2/8/2007	2/8/2007	8/21/2007	8/21/2007	8/21/2007	-194	0
CRO-312E2	M-6	2 of 4 Primary Service Switchgears Operational	Contract	10/12/2010	10/12/2010	4/13/2011	4/13/2011	4/13/2011	-183	0
CRO-312E2	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312E2	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/14/2013	11/18/2013	-928	4
CRO-312E2	N	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/13/2014	11/14/2013	11/18/2013	-928	4
CRO-312E2	M-8	CRO-312G,E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/13/2014	11/14/2013	11/18/2013	-765	4
CRO-312E2	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/4/2014	2/14/2014	-858	10
CRO-312E2	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312E2	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA

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Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:		Previous Forecast Date (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
						Latest CPM Update	CM's Projection			
(A)	(B)	(C)	(D)	(E)	(F)	(G1)	(G2)	(H)	(I)=(F)-(G2)	(J)=(H)-(G2)
CRO-312E2	M-9	CRO-312S-E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/12/2014	4/22/2014	5/2/2014	-741	10
CRO-312E2		Substantial Completion	Contract	4/11/2012	4/11/2012	4/18/2015	12/31/2014	12/31/2014	-994	0
CRO-312E2		Contract Closeout Complete					7/1/2016			
CRO-312H - Water Treatment Plant Construction - HVAC Work										
CRO-312H	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312H	D	Issue Notice to Proceed	Consent - Interim	2/8/2007	2/8/2007	8/21/2007	8/21/2007	8/21/2007	-194	0
CRO-312H	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312H	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/14/2013	11/18/2013	-928	4
CRO-312H	O	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/13/2014	11/14/2013	11/18/2013	-928	4
CRO-312H	M-8	CRO-312G-E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/13/2014	11/14/2013	11/18/2013	-765	4
CRO-312H	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/4/2014	2/14/2014	-858	10
CRO-312H	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312H	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312H	M-9	CRO-312G-E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/12/2014	4/22/2014	5/2/2014	-741	10
CRO-312H		Substantial Completion	Contract	4/11/2012	4/11/2012	4/18/2015	12/31/2014	12/31/2014	-994	0
CRO-312H		Contract Closeout Complete					7/1/2016			
CRO-312P - Water Treatment Plant Construction - Plumbing Work										
CRO-312P	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312P	E	Issue Notice to Proceed	Consent - Interim	12/31/2007	12/31/2007	12/31/2007	12/31/2007	12/31/2007	0	0
CRO-312P	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312P	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/14/2013	11/18/2013	-928	4
CRO-312P	P	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/13/2014	11/14/2013	11/18/2013	-928	4
CRO-312P	M-8	CRO-312P Begin Startup and Testing	Contract	3/31/2011	3/31/2011	5/13/2014	11/14/2013	11/18/2013	-959	4
CRO-312P	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/4/2014	2/14/2014	-858	10
CRO-312P	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312P	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312P	M-9	CRO-312P Commence Operation of the WTP	Contract	9/30/2011	9/30/2011	7/12/2014	4/22/2014	5/2/2014	-935	10
CRO-312P		Substantial Completion	Contract	4/11/2012	4/11/2012	4/18/2015	12/31/2014	12/31/2014	-994	0
CRO-312P		Contract Closeout Complete					7/1/2016			
CRO-312OS-G - Off-Site Facilities - Structures and Equipment										
CRO-312OS-G	M-1	NCA Shutdown Work (Not Applicable)	Contract	8/6/2010	8/6/2010	NA	NA	NA	NA	NA
CRO-312OS-G	M-2	Activate Low Service Treated Water Tunnel	Contract	9/22/2011	9/22/2011	10/19/2012	5/24/2013	5/24/2013	-641	0

CONSTRUCTION / CM MILESTONE STATUS

WM-11 CROTON WATER TREATMENT PLANT

SEPTEMBER 30, 2013

Version Date: 1/27/2010

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						Latest CPM Update	CM's Projection			
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(G2)	(H)	(I)=(F)-(G2)	(J) = (H)-(G2)
CRO-3120S-G	M-3	Activate/Use Shaft and Meter Chamber	Contract	2/9/2012	2/9/2012	12/13/2013	1/31/2014	12/29/2013	-722	-33
CRO-3120S-G		Substantial Completion	Contract	1/22/2013	1/22/2013	5/7/2014	6/30/2014	4/30/2014	-524	-61
CRO-3120S-G		Contract Closeout Complete					12/30/2015			
CRO-3120S-E : Off-Site Facilities : Electrical Work										
CRO-3120S-E	M-2	Activate Low Service Treated Water Tunnel	Contract	8/22/2011	8/22/2011	10/19/2012	5/24/2013	5/24/2013	-641	0
CRO-3120S-E	M-3	Activate/Use Shaft and Meter Chamber	Contract	2/9/2012	2/9/2012	12/13/2013	1/31/2014	12/29/2013	-722	-33
CRO-3120S-E		Substantial Completion	Contract	1/22/2013	1/22/2013	5/7/2014	6/30/2014	4/30/2014	-524	-61
CRO-3120S-E		Contract Closeout Complete					12/30/2015			
CRO-3120S-H : Off-Site Facilities : HVAC Work										
CRO-3120S-H	M-3	Activate/Use Shaft and Meter Chamber	Contract	2/9/2012	2/9/2012	12/13/2013	1/31/2014	12/29/2013	-722	-33
CRO-3120S-H		Substantial Completion	Contract	1/22/2013	1/22/2013	5/7/2014	6/30/2014	4/30/2014	-524	-61
CRO-3120S-H		Contract Closeout Complete					12/30/2015			
CRO-3120S-P : Off-Site Facilities : Plumbing Work										
CRO-3120S-P	M-3	Activate/Use Shaft and Meter Chamber	Contract	3/30/2011	3/30/2011	9/16/2013	10/31/2013	9/20/2013	-946	-41
CRO-3120S-P		Substantial Completion	Contract	8/20/2012	8/20/2012	9/19/2013	10/31/2013	9/20/2013	-437	-41
CRO-3120S-P		Contract Closeout Complete					5/2/2015			
CRO-312FM : Residuals Froce Main to Hunts Point										
CRO-312FM		Substantial Completion	Contract	3/20/2011	3/20/2011	N/A	1/14/2013	1/14/2013	-666	0
CRO-312FM		Contract Closeout Complete					7/16/2014			
CRO-313 : Water Tunnels and Associated Works										
CRO-313	18	Advertise for Bids for CRO-313	Consent - Major	12/30/2005	12/30/2005	12/30/2005	12/30/2005	12/30/2005	0	0
CRO-313	22	Issue Notices to Proceed CRO-313	Consent - Major	8/30/2006	8/30/2006	8/23/2006	8/23/2006	8/23/2006	7	0
CRO-313	M-1	Complete Excavation for Treated Water Shaft	Contract	6/23/2007	6/23/2007	6/6/2007	6/6/2007	6/6/2007	17	0
CRO-313	F	Complete Excavation for Treated Water Tunnel Shaft	Consent - Interim	6/30/2007	6/30/2007	6/6/2007	6/6/2007	6/6/2007	24	0
CRO-313	M-2	Complete Excavation to Raw and Treated Water Connections	Contract	8/31/2009	8/31/2009	12/3/2008	12/3/2008	12/3/2008	271	0
CRO-313	K	Complete Excavation to Raw and Treated Water Connections	Consent - Interim	9/30/2009	9/30/2009	1/22/2009	1/22/2009	1/22/2009	261	0
CRO-313	M-3	Substantial Completion	Contract	3/25/2011	3/25/2011	1/27/2011	2/25/2011	2/25/2011	28	0
CRO-313	Q	Substantial Completion - Begin Start-Up and Testing	Consent - Final	5/1/2011	5/1/2011	1/27/2011	1/14/2013	11/18/2013	-928	4
CRO-313		Contract Closeout Complete					7/3/2012			
CRO-315G : Demolition and Modifications of Structures at Jerome Park Reservoir - Structures and Equipment										
CRO-315G		Substantial Completion	Contract	2/25/2009	2/25/2009	5/26/2010	5/26/2010	5/26/2010	-455	0
CRO-315G		Contract Closeout Complete					12/27/2011			
CRO-315E		Substantial Completion	Contract	2/25/2009	2/25/2009	5/26/2010	5/26/2010	5/26/2010	-455	0
CRO-315E		Contract Closeout Complete					12/8/2011			

EXHIBIT 2a COST SUMMARY REPORT

Number of Construction Contractor Field Personnel On Site: **295**
Number of Construction Contractor Office Personnel On Site: **67**

WM-11 CROTON WATER TREATMENT PLANT SEPTEMBER 30, 2013

Number of Consultant CM Personnel On Site: **74**
Number of DEP Personnel On Site: **4**
Version Date: 06/29/2009

Contract Number	Contractor Name	Original Contract Price	Registered Change Orders	Pending Change Orders Negotiated ¹	Pending Change Orders NOT Negotiated ²	Current Budget Forecast	Amount Paid to Date	Remaining Budget Forecast	% Cur. Budget Forecast Paid to Date
(A)	(B)	(C)	(D)	(E)	(F)	(G)=C+D+E+F	(H)	(I)=G-H	(J)=H/G
CRO-311	Schiavone Construction Co.	\$ 127,680,000	\$ (14,445,214)	\$ -	\$ -	\$ 113,234,786	\$ 113,214,786	\$ -	100.0%
CRO-311		\$ 127,680,000	\$ (14,445,214)	\$ -	\$ -	\$ 113,234,786	\$ 113,214,786	\$ -	100.0%
CRO-312G	Skanska/Tully, JV	\$ 1,327,700,000	\$ 185,017,287	\$ 341,073	\$ 1,734,006	\$ 1,524,792,366	\$ 1,326,663,493	\$ 198,128,873	87.0%
CRO-312E1	Schlesinger-Siemens, LLC	\$ 134,680,000	\$ 29,473,822	\$ 11,551,245	\$ 12,318,664	\$ 188,023,531	\$ 114,351,802	\$ 73,671,729	80.8%
CRO-312E2	Schlesinger-Siemens, LLC	\$ 37,678,000	\$ 10,381,889	\$ -	\$ -	\$ 48,059,889	\$ 37,193,410	\$ 10,866,479	77.4%
CRO-312H	Durr Mechanical Construction	\$ 105,700,000	\$ 27,483,314	\$ 1,980,241	\$ 133,447	\$ 135,307,002	\$ 116,031,585	\$ 17,275,417	87.2%
CRO-312P	Picone/WDF, JV	\$ 58,475,000	\$ 15,591,874	\$ 85,585	\$ 84,262	\$ 74,236,521	\$ 68,641,409	\$ 5,595,112	92.5%
CRO-312		\$ 1,564,233,000	\$ 277,947,785	\$ 13,968,143	\$ 14,270,380	\$ 1,970,419,308	\$ 1,664,381,697	\$ 305,537,610	84.5%
CRO-312OS-G	Picone-Schiavone, JV	\$ 96,842,500	\$ 33,895,739	\$ (188,788)	\$ 150,279	\$ 130,689,729	\$ 107,263,702	\$ 23,426,027	82.1%
CRO-312OS-E	Eldor Electric	\$ 15,762,500	\$ 2,779,397	\$ 18,139	\$ 100,000	\$ 18,960,036	\$ 15,598,270	\$ 3,081,766	83.6%
CRO-312OS-H	AWL Industries	\$ 822,000	\$ 56,971	\$ -	\$ -	\$ 878,971	\$ 448,643	\$ 430,328	51.0%
CRO-312OS-P	JPP Plumbing	\$ 872,000	\$ 235,755	\$ -	\$ -	\$ 1,107,755	\$ 914,835	\$ 192,921	82.6%
CRO-312OS		\$ 114,299,000	\$ 36,967,861	\$ (180,649)	\$ 250,279	\$ 151,336,492	\$ 124,225,450	\$ 27,111,042	82.1%
CRO-312FM	Maspeth Supply Co. LLC	\$ 18,626,745	\$ (15,327,717)	\$ 189,272	\$ (523,345)	\$ 2,964,955	\$ 2,243,079	\$ 721,876	75.7%
CRO-312FM		\$ 18,626,745	\$ (15,327,717)	\$ 189,272	\$ (523,345)	\$ 2,964,955	\$ 2,243,079	\$ 721,876	75.7%
CRO-313	Schiavone/Picone, JV	\$ 212,227,000	\$ (6,581,381)	\$ -	\$ -	\$ 205,645,619	\$ 205,645,619	\$ 0	100.0%
CRO-313		\$ 212,227,000	\$ (6,581,381)	\$ -	\$ -	\$ 205,645,619	\$ 205,645,619	\$ 0	100.0%
CRO-315G	Angelakis Construction Corp.	\$ 3,641,000	\$ 2,282	\$ -	\$ -	\$ 3,643,282	\$ 3,643,282	\$ -	100.0%
CRO-315E	Interphase Electric	\$ 807,317	\$ 144,874	\$ -	\$ -	\$ 952,191	\$ 952,191	\$ -	100.0%
CRO-315		\$ 4,448,317	\$ 147,155	\$ -	\$ -	\$ 4,595,472	\$ 4,595,472	\$ -	100.0%
CRO-312CE	Con Edison	\$ 4,074,526	\$ -	\$ -	\$ -	\$ 4,074,526	\$ 2,716,351	\$ 1,358,175	66.7%
CRO-312CE		\$ 4,074,526	\$ -	\$ -	\$ -	\$ 4,074,526	\$ 2,716,351	\$ 1,358,175	66.7%
Totals		\$ 2,145,568,588	\$ 278,708,490	\$ 13,976,766	\$ 13,997,314	\$ 2,452,251,158	\$ 2,117,522,454	\$ 334,728,704	85.4%

- Column E is the total of negotiated amount or forced amount of the change orders which are negotiated but not registered.
- Column F is the total of higher amount between Engineer's estimate and Contractor's proposal for all not-negotiated change orders. Order of magnitude estimates are also included, if available.
- CP Amount for CRO-311 includes \$18.6 Million for DEP/DPR MOU.

CONSTRUCTION MANAGEMENT CONTRACT ESTIMATE AT COMPLETION

WM-11 CROTON WATER TREATMENT PLANT SEPTEMBER 30, 2013

Version Date: 07/29/10

Design Contract No.: HED-445CM
Report Period End: 9/30/2013

WORK BREAKDOWN STRUCTURE (By Contract Series then by Task)				BUDGET			ACTUAL ESTIMATE				FORECAST			VARIANCE				
Contract Series	Lifecycle Stage	Task No.	Description	Original Contract Price	Registered Change Orders	Adjusted Contract Price	Pending Change Orders	Current Budget Forecast	Amount Paid to Date (thru 6/30/2013)	Work Completed Not Paid (thru 7/31/2013)	% Incurred Based on Budget Forecast	Physical % Complete	Estimate to Complete (ETC)	Estimate at Completion (EAC)	Projected Expenditures for Next 12 Months	Contract Price Surplus/(Deficit) at Completion	Forecast Budget Surplus/(Deficit) at Completion	Forecast Contract Surplus/(Deficit) in Next 12 Months
HED-546				(A)	(B)	(C)=A+B	(D)	(E) = C+D	(F)	(G)	(H)=(F-G)/E	(I)	(J)	(K) = F + G + J	(L) = E - K	(M) = E - K	(N) = C - (F + G + K)	
CONSTRUCTION MANAGEMENT SERVICES																		
	1		Project Management	\$17,400,000	-545,136	\$16,854,862	\$0	\$16,854,862	\$13,920,186	\$125,775	83%	80%	\$2,672,657	\$16,946,602	\$2,872,657		\$0	\$0
	2		Resident Engineering Inspection	\$45,700,000	\$62,244,123	\$107,244,123	\$0	\$107,244,123	\$100,687,158	\$1,143,775	95%	80%	\$5,413,186	\$107,244,122	\$5,413,189		\$0	\$0
	4		Subcontracted Services and ODCs	\$1,000,000	\$10,784,074	\$11,784,074	\$0	\$11,784,074	\$10,788,741	\$70,608	92%	80%	\$524,725	\$11,784,074	\$924,729		\$0	\$1
	5		Supplemental Services	\$0	\$4,134,198	\$4,134,198	\$0	\$4,134,198	\$3,963,320	\$2,420	96%	80%	\$168,749	\$4,134,199	\$168,748		\$0	\$0
TOTAL				\$53,450,000	\$76,710,998	\$140,110,998	\$0	\$140,110,998	\$128,399,095	\$1,242,553	93%	80%	\$9,279,320	\$140,110,998	\$9,379,320		\$0	\$0
				CP Amount		\$ 146,270,095												
				Balance		\$ 6,159,957												

EXHIBIT 3

ISSUES AND TASKS MEETING LOG

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013

Version Date: 06/28/2009

Project	ID date	Issue	By Who?	Next Action	Notes
CRO-312 Construction Issues					
312.C.100	9/6/2012	Coordinate a plan to complete Plants A and B.	SE / S/T JV	Refine startup and testing schedule.	The last startup meeting was held on 10/2/2013.
312.C.101	10/5/2012	Electrical Completion of Auxiliary and Security Systems	SE / URS/MP	Finalize change orders for security system allowance work.	Change Order CRO-312E1-131 was rejected by EAO and was cancelled and will be replaced with multiple smaller lump sum change orders. Change Order CRO-312E1-148 was negotiated on 9/4/2013 for CCTV, Access Control and Ethernet Work. Change Order CRO-312E1-156 for additional infrastructure for plant security system was identified on 9/10/2013.
312.C.102	4/5/2013	Temporary Waiver Request for the Boiler and Gas Meter Rooms	CRO-312 Contractors / M&E/H&S	Complete work needed to comply with waiver.	DEP submitted a letter to Con Edison on September 17, 2013, requesting energization of the gas system. Con Edison is scheduled to perform a final inspection on October 7, 2013. The date for Con Edison to turn on the gas to be determined.
312.C.103	4/5/2013	CRO-312E1 and CRO-312H Contractors Not Proceeding with Change Order Work Prior to Registration.	SE	Process COWOs as appropriate.	On July 24, 2013 the CRO-312 Contractor changed their position that they will not perform change order work prior to registration. CRO-312H has also stated they will not work on T&M change orders due to recent issues with Line H deductions.
312.C.104	8/1/2013	Valve Loop Communication Issues	Skanska/Tully	Perform valve loop reliability testing	CIM transmitted testing protocol to STJV on 10/2/2013. STJV to perform testing the week of 10/7/2013.
CRO-312 Design Issues					
312.D.100	10/5/2012	Communications Issues between Valve Loops and Master Stations	M&E/H&S	Complete design for revised valve loops.	DEP has determined that the valve loops will be split after the entire plant has been commissioned. Change Orders CRO-312G-399 and CRO-312G-400 were identified on 7/5/2013, but have not been issued yet.
312.D.101	12/5/2012	Smoke Detectors Inaccessibility for Installation and Future Maintenance	M&E/H&S / SE	Receive Contractor's Proposals for CRO-312E1-139, CRO-312E1-140 CRO-312E1-144, and CRO-312H-100.	The CRO-312E1 contractor has chosen not to work on these three change orders prior to registration and it will impact the completion date for the Contract Milestone No. 9. CRO-312E1-139 was negotiated and authorized as COWO #14. Change Order CRO-312E1-140 was negotiated on 10/2/2013 and has been submitted as a COWO. Cost proposals for CRO-312E1-144 have been received and negotiations are underway.
312.D.102	1/31/2013	Modifications to Control Strategies	Skanska/Tully	Complete Change order CRO-312G-368 work. STJV to implement revisions to chemical systems and pulsafeder pumps.	Pulsafeder programming and re-running the Field System Tests is planned to be completed by October 21-30, 2013 in Plant A.
312.D.103	6/7/2013	PMCS System Capacity	M&E/H&S	Determine if there is sufficient PMCS system capacity to complete control strategy revisions and for additional spare capacity.	The compaction of the system database was completed and successfully restored approximately 600 DBs. It now has to be determined if there is sufficient capacity for the known changes and to provide additional spare capacity. If there is not sufficient spare capacity, an additional server will need to be added.
312.D.103	7/5/2013	Completion of the Laboratory	M&E/H&S / Skanska/Tully / URS/MP	- Painted Sprinkler Heads replacement in Zone 1. - Complete Domestic Water piping disinfection. - Need hot water for sinks, emergency eyewash station (tempered water) and to operate HVAC Unit. - Re-weld Fume Hood - Furnish and install lab equipment	All requirements for the Emergency Generator/Fuel Oil System have been completed, fuel oil has been delivered and testing of the emergency generator has been completed. The painted sprinkler heads have been replaced and the system energized for the Sodium Hypochlorite Bulk Storage Room (Zone FI-4). The permanent exhaust fans for the sodium hypochlorite tank rooms required for disinfection are now in operation.
CRO-312FM Construction Issues					
312FM.C.100	9/29/2010	Revision to Force Main Route	URS/MP	Draft and negotiate closeout change orders.	The contractor has not submitted their cost proposal for Change Order CRO-312FM-024 (Reconciliation of Contract Item G-LS-1). Change Order CRO-312FM-027 to reconcile remaining items to be drafted.
CRO-312OS Construction Issues					

EXHIBIT 3

ISSUES AND TASKS MEETING LOG

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013

Version Date: 08/28/2008

Project	ID date	Issue	By Who?	Next Action	Notes
3120S.C.100	10/5/2012	Hair line cracks in the existing east bronze guard valve at Shaft 3	DEP / Picone Schlavoine / M&E/H&S	Register Change Order CRO-3120S-G-078. Fabricate guard valve.	The Guard Valve included under Change Order CRO-3120S-G-078 for the South Riser inside Shaft 3 was released for manufacturing on July 2, 2013. This valve requires an estimated 6 months of lead time and also requires a Shaft 3 shutdown for the installation.
3120S.C.102	4/24/2012	Shaft 3 Concrete Plugs, Piping, Platform Work and Roof Beam Plank	Picone Schlavoine / URS/MP / M&E/H&S	Perform CRO-3120S-G-053 and CRO-3120S-G-066 work.	Both change orders are registered. The Shaft 3 work has been re-sequenced to start after the completion of the Goulden Avenue Gate House No. 7 street connections and remediation work in Shaft 3. DJV to address additional issues with platforms and piping.
CRO-3120S Design Issues					
3120S.D.100	8/5/2011	3-phase power to Gate House No. 1 required for new sluice gates	DEP	Finalize plans to bring permanent 3 phase power to Gate House No. 1.	DEP and CMI met with Con Edison and a new plan to bring 3-phase power to Gate House No. 1 is being developed.
3120S.D.101	1/2/2013	Entry Point Monitoring System	M&E/H&S	Draft Change Order CRO-3120S-G-049R	A change order is needed to compensate the contractor for additional instrumentation work required by Change Order CRO-3120S-G-049 shop drawing comments. The CRO-3120S-G Contractor has released the instruments for fabrication.
3120S.D.102	1/2/2013	Shaft 3 and South Bronx Valve Chamber Valve Actuators	M&E/H&S / Picone	Register CRO-3120S-G-089 and perform work. Draft additional change order to address issues (if required).	DEP has decided to replace all butterfly valve actuators installed (and to be installed) in Shaft 3 and South Bronx Valve Chamber with Limitorque actuators. Change Order CRO-3120S-G-089 has been negotiated and sent to DEP for registration. Another change order may be required to address additional issues.

EXHIBIT 4 CORRESPONDENCE VARIANCE REPORT (UNANSWERED > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT SEPTEMBER 30, 2013

Version Date: 06/29/2009

Report Date: 9/30/2013

Total Pieces of Correspondence Generated to Date = 7,280

Total Pieces of Correspondence Processed to Date = 7,248

Number of Pieces of Correspondence open for 14 days or less (as of Report Date) = 20

Contract Number	Letter No.	Memo No.	Addressee (Organization)	Subject	Date Received	Elapsed Time (Days)
(A)	(B)	(C)	(D)	(E)	(F)	(G) = Report Date - (F)
CRO-312E1	CRO-312E1-00857		NYCDEP	DEP letter dated February 19, 2013 regarding Croton Project Schedule Update 52	5/1/2013	162
CRO-312E1		CM-CRO-312E1-00318	URS/MIP	Reply to URS's Comments on Schedule Updates 54, 55, 56 and 57 CRO-312-GEN-FM 144, 145, 151 and 154	7/23/2013	69
CRO-312E1	CRO-312E1-00866		NYCDEP	DEP Letter dated July 5, 2013 regarding Croton Project Schedule Update 57	7/25/2013	67
CRO-312E1		CM-CRO-312E1-00319	URS/MIP	Final US8 Schedule Narrative	7/29/2013	63
CRO-312P		CM-CRO-312P-076	URS/MIP	Change Order Request Novac Fire Systems	7/30/2013	62
CRO-312E1		CM-CRO-312E1-00329	URS/MIP	Rainwater Damage Response to Field Memo CRO-312E1-FM-616	8/22/2013	39
CRO-312E1		CM-CRO-312E1-00330	URS/MIP	CO Request ARB Fire Shutters, AC Power to Radio Consoles, Power Feeds for PA System, Circuit Designation for ARB Magnetometer, Radiant Floor Recirculation Pump, Power Circuits for Heat Tracing and EMS-Net Power	8/23/2013	38
CRO-312E1		CM-CRO-312E1-00334	URS/MIP	Response to CM-CRO-312G-1218 dated June 1, 2013 and CRO-312G-FM-1578 dated June 17, 2013	8/29/2013	32
CRO-312P		CM-CRO-312P-078	URS/MIP	Article 16 Request Dewatering Pump Nos. 3 & 4	9/6/2013	24
CRO-312P		CM-CRO-312P-080	URS/MIP	Article 16 Request Air Compressor	9/10/2013	20
CRO-312P		CM-CRO-312P-079	URS/MIP	Article 16 Request Hot Water Heater, Circulating Pumps and Emergency Eyewash Stations	9/10/2013	20
CRO-312G		CM-CRO-312G-1266	URS/MIP	PCOs for Which the Vendor Pricing is Approved PCOs 974, 1109, 1124, 1127 and 1150	9/10/2013	20

Notes:

EXHIBIT 5 RFI VARIANCE REPORT (RESPONSE > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013
Version Date: 06/29/2009

Report Date: 9/30/2013
Total Number of RFIs Generated to Date = 4,824
Total Number of RFIs Processed to Date = 4,819

Number of open RFIs in process for 14 days or less (as of Report Date) = 4

Contract No. (A)	RFI No. (B)	Subject (C)	Date Initiated (D)	CMI Approval Date (E)	Responsible Party (F)	Date Submitted to Responsible Party (G)	Elapsed Time (Days) (H) = Report Date - (D)	Potential CPM Impact (Y/N) (I)
CRO-312OS-E	RFI-312OS-E-049	Fire Alarm System FDNY Filing	8/20/2013	8/20/2013	M&E/H&S	8/20/2013	41	Y

Notes:

EXHIBIT 6

RFC VARIANCE REPORT (RESPONSE > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT SEPTEMBER 30 , 2013

Version Date: 06/29/2009

Report Date: 9/30/2013

Total Number of RFCs Generated to Date = 1,266

Total Number of RFCs Processed to Date = 1,263

Number of open RFCs in process for 14 days or less (as of Report Date) = 3

Contract No.	RFC No.	Subject	Date Initiated	Responsible Party	Date Submitted to Responsible Party	Elapsed Time (Days)	Potential CPM Impact (Y/N)
-No Open RFC Change Orders open over 14 days-							

Notes:

EXHIBIT 7

SHOP DRAWING REVIEW VARIANCE REPORT (RESPONSE > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013

Version Date: 06/29/2009

Report Date:

9/30/2013

Total Number of Shop Drawing Submittals Generated to Date = 28,407

Total Number of Shop Drawing Processed to Date = 28,335

Number of open Shop Drawing Submittals in process for 14
days or less (as of Report Date) = 63

Contract No. (A)	Submittal No. (B)	Description (C)	Date Received by Design Engineer (D)	Elapsed Time (Days) (E) = Report Date - (D)	Potential CPM Impact (Y/N) (F)
CRO-312G	01811-030.0	Disinfect Residual Maintenance Procedure	8/7/2013	54	Y
CRO-312G	15080-262.1	Hangers & Supports - Pump Station - RW CWS/CWR	8/30/2013	31	N
CRO-312G	15141-002.2	DISINFECTION PROCEDURE	9/6/2013	24	Y
CRO-312G	11010-060.0	Equipment Maintenance Log - August 2013	9/11/2013	19	N
CRO-312H	15052-085.2	1725-RL-H-8021A	9/12/2013	18	N
CRO-312G	10400-010.0	Additional Fiberglass Sign sample	9/13/2013	17	N
CRO-312H	01451-049.0	WQTR J Garcia	9/13/2013	17	N
CRO-312P	15058-015.1	Double Contained Pipe- Leak Detection System Training Manual	9/16/2013	14	N
CRO-312OS-G	15111-039.2	Large Diameter Butterfly Valve O&M Manual	9/16/2013	14	N

Notes:

EXHIBIT 8

SUBCONTRACTOR APPROVAL VARIANCE REPORT (APPROVAL > 30 DAYS)

WM-11 CROTON WATER TREATMENT PLANT

SEPTEMBER 30, 2013

Version Date: 06/29/2009

Report Date: 9/30/2013

Total Number of Subcontractor Approval Requests Generated to Date = 466

Total Number of Subcontractor Approvals to Date = 465

Number of open Subcontractor Approval Requests in Process for 30 days or less (as of Report Date) = 0

Contract No. (A)	Subcontractor (B)	Specialty (C)	Date CM Received Subcontractor Approval Request (mm/dd/yy) (D)	Date CM Sends Subcontractor Approval Request to ACCO (mm/dd/yy) (E)	Elapsed Time (Days) (F) = Report Date - (D)	Potential CPM Impact (Y/N) (G)
CRO-312G	Ornamental Erectors, Inc	Installation of tube supports, panels and glass	9/9/2013	9/16/2013	51	Y

Notes:

EXHIBIT 9

WM-11 CROTON WATER TREATMENT PLANT
MANUFACTURER/SUPPLIER APPROVAL VARIANCE REPORT (APPROVAL > 30 DAYS) SEPTEMBER 30, 2013

Version Date: 09/30/2009

Report Date:

09/30/13

Number of Manufacturer/ Supplier Open Requests in Process for
30 days or less (as of Report Date) = 0

Total Number of Requests for Manufacturer/ Supplier Approval to Date = 3,445

Total Number of Manufacturer/ Supplier Approvals to Date = 3,444

Contract No. (A)	Manufacturer or Supplier (B)	Product Type/Name (C)	Submittal Date (D)	Elapsed Time (Days) (E) = Report Date - (D)	Potential CPM Impact (Y/N) (F)
No Vendors >30 Days					

Notes:

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013

EXHIBIT 10
CHANGE ORDER VARIANCE REPORT

Contract	Change Order Number	Description	Type	Pending Step	Target	Duration	Current Variance	Reason for Delay
CRO-312E1	090	Electrical Work Associated with Relocation of Panels in Chemical Rooms	NMSC	Price Negotiated	15	343	328	Negotiations ongoing
CRO-312E1	110	Electrical Modifications for Above Grade Lighting	NMSC	Price Negotiated	15	189	174	Negotiations ongoing
CRO-312E1	111	Electrical Modifications due to Emergency Eyewash Showers Coordination	NMSC	Price Negotiated	15	288	243	Negotiations ongoing
CRO-312E1	120	Fiber Optic Cabling and Power Modifications for new Telephone VOIP and Office Computer Network	NMSC	Price Negotiated	15	58	43	Negotiations ongoing
CRO-312E1	134	Provide Lighting Fixtures above Bathroom Sinks	DO	Price Negotiated	15	148	133	Negotiations ongoing
CRO-312E1	137	Interim Operation and Maintenance of Electrical Equipment	FC	Contractor Proposal	20	77	57	Pending receipt of Contractor's Proposal
CRO-312E1	143	Modification of In-Building Radio System Bi-Directional Amplifier Cabinet Locations	DE	Contractor Proposal	20	139	119	Pending receipt of Contractor's Proposal
CRO-312E1	144	Modification of Smoke Detector Type and Location in HVAC Rooms	DE	Price Negotiated	15	28	13	Negotiations ongoing
CRO-312E1	145	Electrical Modifications to Accommodate Changes Made by CRO-312G-385	DE	Contractor Proposal	20	59	39	Pending receipt of Contractor's Proposal
CRO-312E1	146	Provide Additional Panelboard LP-48A and Associated Re-circuiting	DE	Contractor Proposal	20	106	85	Pending receipt of Contractor's Proposal
CRO-312E1	149	Security Distribution Frame (SDF) Power Modifications	FC	Contractor Proposal	20	43	23	Pending receipt of Contractor's Proposal
CRO-312E1	151	Provide Additional Circuit for HVAC Programmable Logic Controller for Arrivals and Receiving Building	DE	Contractor Proposal	20	55	35	Pending receipt of Contractor's Proposal
CRO-312E1	152	Lightning Protection Modifications for Guard Booth Canopy and Netting Poles	NMSC	Contractor Proposal Engineer's Estimate	20	22	2	Pending receipt of Contractor's Proposal and Engineer's Estimate
CRO-312E1	153	Disconnect Switch and Receptacle Modifications for Electrical Shop and Machine Shop Equipment	DE	Contractor Proposal	20	50	30	Pending receipt of Contractor's Proposal
CRO-312E1	155	Additional Electrical Work for Emergency Eyewash Showers added in CO CRO-312P-099	DO	Contractor Proposal Engineer's Estimate	20	22	2	Pending receipt of Contractor's Proposal and Engineer's Estimate
CRO-312FM	024	Reconciliation of Contract Item G-LS-1	DE	Contractor Proposal	20	198	178	Pending receipt of Contractor's Proposal
CRO-312FM	027	Reconciliation of Change Orders CRO-312FM-019 and CRO-312FM-023	DE	Change Order Drafted	25	171	146	Pending Draft by CM
CRO-312G	395	Modify PVDF Double Contained Bearing Cradle and Pipe Supports	DE	Price Negotiated	15	44	29	Negotiations ongoing
CRO-312G	397	Trip Multiply and Rack Inhibit Addition for Raw, Treated Water and DAF Pumps	NMSC	Contractor Proposal	20	86	66	Pending receipt of Contractor's Proposal
CRO-312G	399	Modify Valve Loops 3 & 4 and Provide Additional Remote Input/Output Panels (RIOP)	NMSC	Change Order Drafted	25	90	65	Pending Draft by Design JV
CRO-312G	400	Conduit and Cable Modifications due to Modification of Valve Loops 3 & 4	NMSC	Change Order Drafted	25	90	65	Pending Draft by Design JV
CRO-312G	403	Provide Hardware and Connections at Croton WFP for Encryption of Data between Gate House No.5 and Croton WFP	NMSC	Change Order Drafted	25	55	30	Pending Draft by Design JV
CRO-312G	405	Modify DCS for Emergency Eyewash/Showers 20-ES-82 and 20-ES-83 added by CO 312P-99	DO	Contractor Proposal Engineer's Estimate	20	21	1	Pending receipt of Contractor's Proposal and Engineer's Estimate

EXHIBIT 10

CHANGE ORDER VARIANCE REPORT

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013

Contract	Change Order Number	Description	Type	Pending Step	Target	Duration	Current Variance	Reason for Delay
CRO-312H	083	Modify Heating Equipment in the Arrival & Receiving and Chemical Fill Buildings	DE	Contractor Proposal	20	490	470	Pending receipt of Contractor's Proposal
CRO-312H	084	Delete Local Disconnect Switches for Exhaust and Supply Fan Dampers	FC	Price Negotiated	15	399	384	Negotiations ongoing
CRO-312H	092	HVAC Related Adjustments: Relocate Thermostat, Modify Type of Disconnect Switches and Modify Type of Pressure Switches	DE/NMSC	Contractor Proposal	20	322	302	Pending receipt of Contractor's Proposal
CRO-312H	095	Remove Condensate Pumps from Floor Mounted CRAC Units and Provide Gravity Drains	NMSC	Price Negotiated	15	37	22	Negotiations ongoing
CRO-312H	105	Fire Smoke Damper Shutdown and Purge	DO	Change Order Drafted	25	99	74	Pending Draft by CMI
CRO-312OS-E	043	Provide Enclosure Space Heaters for Electrical Panels	FC	Contractor Proposal Engineer's Estimate	20	30	10	Pending receipt of Contractor's Proposal and Engineer's Estimate
CRO-312OS-G	004R2	Alternate Emergency Bypass (Rev 2) Hypochlorination Mag Meters	NMSC	Change Order Drafted	25	117	92	Pending Draft by Design JV
CRO-312P	014R	Drain Additions for Existing Pump Station RPZ (Revised)	DO	Change Order Drafted	25	147	122	Pending Draft by CMI
CRO-312P	097	Removal and Re-Installation of Dry Chemical Piping in Chemical Fill Building Ammonia Room	FC	Contractor Proposal	20	41	21	Pending receipt of Contractor's Proposal
CRO-312P	098	Spill Switch for Hot Water Heater Gas Flues	ADIM	Contractor Proposal	20	42	22	Pending receipt of Contractor's Proposal
CRO-312P	100	Modify Sprinkler Piping in SDF Rooms and Dewatering Pump Room No. 4 to Accommodate Changes by CO CRO-312G-365	DE	Contractor Proposal Engineer's Estimate	20	21	1	Pending receipt of Contractor's Proposal and Engineer's Estimate

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312G
Contractor: Skanska-Tully Joint Venture
Project: Croton Water Treatment Plant
Distribution: Original: BEDC EHS Compliance
cc: Resident Engineer

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting - Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	1	0	0	0	0	0	1	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	1	0	0	0	0	0	1	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	1	0	0	0	0	0	1	0	0	0			
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	2	0	0	0	1	0	0	0	1				
Total Hours Worked	278,503	33,236	32,605	36,860	34,248	33,927	36,809	37,331	33,437				
Recordable Injury Incidence Rate	1.44	-	-	-	-	-	-	-	5.98				
Time Lost/Restricted - Days	49	0	0	0	29	20	0	0	0				
Total number of cases involving DART	1	0	0	0	1	0	0	0	0				
Facilities	0	0	0	0	0	0	0	0	0				
Exceedances - Permits - Permit exceedences, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0				
Air	0	0	0	0	0	0	0	0	0				
Water	0	0	0	0	0	0	0	0	0				
Wastewater	0	0	0	0	0	0	0	0	0				
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0				
Total Federal	0	0	0	0	0	0	0	0	0				
Total State	0	0	0	0	0	0	0	0	0				
- DEC NOV's	0	0	0	0	0	0	0	0	0				
- DOH NOV's	0	0	0	0	0	0	0	0	0				
- DOL NOV's	0	0	0	0	0	0	0	0	0				
- Other state NOV's	0	0	0	0	0	0	0	0	0				
Total Local	0	0	0	0	0	0	0	0	0				
- FDNY NOV's	0	0	0	0	0	0	0	0	0				
- DOB NOV's	0	0	0	0	0	0	0	0	0				
- Other local NOV's	0	0	0	0	0	0	0	0	0				
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0				
Environmental - Water	0	0	0	0	0	0	0	0	0				
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0				
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0				
Safety - Construction	0	0	0	0	0	0	0	0	0				
Safety - Operations	0	0	0	0	0	0	0	0	0				
Waste Management - Hazardous Waste Generation													
Total No. of Remedial Projects	1	0	0	0	0	0	0	0	1				
Tons generated	0.025	0	0	0	0	0	0	0	0.025				

Note: September 2013 EHS metrics are due October 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312E1
Contractor: Schlessinger-Siemens Electrical Joint Venture
Project: Croton Water Treatment Plant
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable non-incidental spills or releases	2	0	1	0	0	0	1	0	0				
Total Reportable to DEC	0	0	0	0	0	0	0	0	0				
Total non-reportable	2	0	1	0	0	0	1	0	0				
Total due to equipment failure	1	0	0	0	0	0	1	0	0				
Total due to human error	1	0	1	0	0	0	0	0	0				
Other cause	0	0	0	0	0	0	0	0	0				
CONTRACTOR Reportable Injuries- (OSHA 300 reports, time lost)													
Total number of Reportable Injuries	4	0	1	0	1	0	0	0	2				
Total Hours Worked	286,236	42,336	40,944	40,208	41,424	37,280	39,262	27,696	26,088				
Recordable Injury Incidence Rate	2.79	0	4.88	0	4.83	0	0	0	15.33				
Time Lost/Restricted - Days	115	0	17	31	21	0	0	0	46				
Total number of cases involving DART	3	0	1	0	0	0	0	0	2				
Fatalities	0	0	0	0	0	0	0	0	0				
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plant(s)													
Total Exceedances	0	0	0	0	0	0	0	0	0				
Air	0	0	0	0	0	0	0	0	0				
Water	0	0	0	0	0	0	0	0	0				
Wastewater	0	0	0	0	0	0	0	0	0				
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0				
Total Federal	0	0	0	0	0	0	0	0	0				
Total State	0	0	0	0	0	0	0	0	0				
- DEC NOVs	0	0	0	0	0	0	0	0	0				
- DOH NOVs	0	0	0	0	0	0	0	0	0				
- DOJ NOVs	0	0	0	0	0	0	0	0	0				
- Other state NOVs	0	0	0	0	0	0	0	0	0				
Total Local	0	0	0	0	0	0	0	0	0				
- FDNY NOVs	0	0	0	0	0	0	0	0	0				
- DOB NOVs	0	0	0	0	0	0	0	0	0				
- Other local NOVs	0	0	0	0	0	0	0	0	0				
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0				
Environmental - Water	0	0	0	0	0	0	0	0	0				
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0				
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0				
Environmental - Construction	0	0	0	0	0	0	0	0	0				
Safety - Operations	0	0	0	0	0	0	0	0	0				
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0				
Tons generated	0	0	0	0	0	0	0	0	0				

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312E2
Contractor: Schlesinger-Siemens Electrical Joint Venture
Project: Croton Water Treatment Plant
Distributor:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jun-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	11,736	2,066	1,785	1,894	1,578	1,808	1,776	720	8				
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-	-	-	-
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management - Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312H
Contractor: Durr Mechanical Construction
Project: Croton Water Treatment Plant
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Release & Reporting: Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	0	0	0	0	0	0	0	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	1	0	0	0	0	0	0	1	0				
Total Hours Worked	55,773	8,757	7,319	7,900	7,760	5,853	6,544	5,927	5,713				
Recordable Injury Incidence Rate	3.59	0	0	0	0	0	0	33.74	0				
Time Lost/Restricted - Days	31	0	0	0	0	0	0	0	31				
Total number of cases involving DART	1	0	0	0	0	0	0	1	0				
Fatalities	0	0	0	0	0	0	0	0	0				
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plants													
Total Exceedances	0	0	0	0	0	0	0	0	0				
Air	0	0	0	0	0	0	0	0	0				
Water	0	0	0	0	0	0	0	0	0				
Wastewater	0	0	0	0	0	0	0	0	0				
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOS, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0				
Total Federal	0	0	0	0	0	0	0	0	0				
Total State	0	0	0	0	0	0	0	0	0				
- DEC NOVs	0	0	0	0	0	0	0	0	0				
- DOH NOVs	0	0	0	0	0	0	0	0	0				
- DOZ NOVs	0	0	0	0	0	0	0	0	0				
- Other state NOVs	0	0	0	0	0	0	0	0	0				
Total Local	0	0	0	0	0	0	0	0	0				
- FDNY NOVs	0	0	0	0	0	0	0	0	0				
- DOB NOVs	0	0	0	0	0	0	0	0	0				
- Other local NOVs	0	0	0	0	0	0	0	0	0				
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0				
Environmental - Water	0	0	0	0	0	0	0	0	0				
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0				
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0				
Safety - Construction	0	0	0	0	0	0	0	0	0				
Safety - Operations	0	0	0	0	0	0	0	0	0				
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0				
Tons generated	0	0	0	0	0	0	0	0	0				

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312P
Contractor: WDF-Picone Joint Venture
Project: Croton Water Treatment Plant
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	0	0	0	0	0	0	0	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	0	0	0	0	0	0	0	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0			
Total Hours Worked	20,866	2,613	2,168	2,596	2,680	3,451	3,787	1,716	1,657				
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-				
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0			
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plants													
Total Exceedances	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOE, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
- DEC NOV's	0	0	0	0	0	0	0	0	0	0			
- DOH NOV's	0	0	0	0	0	0	0	0	0	0			
- DOL NOV's	0	0	0	0	0	0	0	0	0	0			
- Other state NOV's	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
- EDNY NOV's	0	0	0	0	0	0	0	0	0	0			
- DOB NOV's	0	0	0	0	0	0	0	0	0	0			
- Other local NOV's	0	0	0	0	0	0	0	0	0	0			
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0			
Tons generated	0	0	0	0	0	0	0	0	0	0			

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-3120S-G
Contractor: Picone-Schiavone Joint Venture
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jun-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	0	0	0	0	0	0	0	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	0	0	0	0	0	0	0	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Recordable Injuries- (OSHA 300 reports, line loss)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0			
Total Hours Worked	38,377.5	4,432	2,852	5,689	5,220	5,560.5	4,039	4,654.5	5,930.5				
Recordable Injury Incidence Rate	0.00	-	-	-	-	-	-	-	-				
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0			
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plans)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOL, DEP, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
- DEC NOVs	0	0	0	0	0	0	0	0	0	0			
- DOL NOVs	0	0	0	0	0	0	0	0	0	0			
- Other state NOVs	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
- FDNY NOVs	0	0	0	0	0	0	0	0	0	0			
- DOB NOVs	0	0	0	0	0	0	0	0	0	0			
- Other local NOVs	0	0	0	0	0	0	0	0	0	0			
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	1	0	0	0	0	0	0	0	1				
Tons generated	0.8	0	0	0	0	0	0	0	0.8				

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-3120S-E
Contractor: Eidor Electric, LLC
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	2	1	1	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	1,868.5	570	303	163	136	51.5	175	118	350				
Recordable Injury Incidence Rate	214	-	-	-	-	-	-	-	-				
Time Lost/Restricted - Days	1	0	1	0	0	0	0	0	0				
Total number of cases involving DART	1	0	1	0	0	0	0	0	0				
Fatalities	0	0	0	0	0	0	0	0	0				
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plant)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOE, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-3120S-H
Contractor: AWL Industries
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on Dry lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	420	84	0	0	273	63	0	0	0	0	0	0	0
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-	-	-	-
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances such as wastewater, air, waste removal facility and wastewater treatment plants													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental Health & Safety - OSHA, DOE, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

33 Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-31208-P
Contractor: John P. Picora Plumbing
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting - Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	360	125	5	3	67	140	20	0	0	0	0	0	0
Recordable Injury Incidence Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management - Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312FM
Contractor: Maspeth Supply Company
Project: Force Main
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg. Mgr.

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting - Spills on City lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	1,008	1,008	0	0	0	0	0	0	0	0	0	0	0
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-	-	-	-
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DEC, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management - Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

WM-11 CROTON WATER TREATMENT PLANT JULY 31, 2013

EXHIBIT 11 EHS PERFORMANCE

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: HED-545CM
Contractor: URS/Malcolm Pirnie
Project: CM for Croton Water Treatment Plant and Off-Site Services
Distribution: Original:
cc: BEDC EHS Compliance
Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting: Spills on City Lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	121,557	16,176	15,449	15,621	16,536	16,176	14,186	13,762	13,632				
Recordable Injury Incidence Rate	0.00	-	-	-	-	-	-	-	-				
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0				
Total number of cases involving DART	0	0	0	0	0	0	0	0	0				
Fatalities	0	0	0	0	0	0	0	0	0				
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plant)													
Total Exceedances	0	0	0	0	0	0	0	0	0				
Air	0	0	0	0	0	0	0	0	0				
Water	0	0	0	0	0	0	0	0	0				
Wastewater	0	0	0	0	0	0	0	0	0				
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOE, FDOT, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0				
Total Federal	0	0	0	0	0	0	0	0	0				
Total State	0	0	0	0	0	0	0	0	0				
- DEC NOV's	0	0	0	0	0	0	0	0	0				
- DOH NOV's	0	0	0	0	0	0	0	0	0				
- DOI NOV's	0	0	0	0	0	0	0	0	0				
- Other state NOV's	0	0	0	0	0	0	0	0	0				
Total Local	0	0	0	0	0	0	0	0	0				
- FDNY NOV's	0	0	0	0	0	0	0	0	0				
- DOB NOV's	0	0	0	0	0	0	0	0	0				
- Other local NOV's	0	0	0	0	0	0	0	0	0				
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0				
Environmental - Water	0	0	0	0	0	0	0	0	0				
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0				
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0				
Safety - Construction	0	0	0	0	0	0	0	0	0				
Safety - Operations	0	0	0	0	0	0	0	0	0				
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0				
Tons generated	0	0	0	0	0	0	0	0	0				

Note: July 2013 EHS metrics are due August 10, 2013 and were not available at the time this report was produced.

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Application Submission	Permit Application Submission Date	Estimated	Actual	Days to Application Approval	Permit Application Approval Date	Required	Actual	Permit Expiration Date	Days to Expiration	Permit Status
18141	FDNY	Hazardous Chemicals	None Assigned	Chemical storage tanks for Sodium Hypochlorite at the Water Treatment Plant. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Gerard Cox	-30	2013-09-01			0	2013-10-01					Identified
18183	FDNY	Hazardous Chemicals	None Assigned	Chemical storage tanks for chemicals other than Sodium Hypochlorite at the Water Treatment Plant. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Gerard Cox	-21	2013-09-10			9	2013-10-10					Identified
3284	NYCDOB	Self-Certification of Plumbing Inspection/Test	None Assigned	Installation of plumbing at the Water Treatment Plant. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Robert Goldin	11	2013-10-12			31	2013-11-01					Identified
3265	FDNY	Fire Alarm Inspection Letter of Approval	None Assigned	Approval of installation of fire alarm system at the Water Treatment Plant. <Comment>: Permit due dates are adjusted each month based on changes to project schedule. "No Expiration Date Required"	Marin Aljewitz	32	2013-11-02			92	2014-01-01					Identified
16060	USEPA	Spill Prevention, Control and Countermeasure Plan	None Assigned	Plan for NYCDEP operations. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Kevin Caccamise	90	2013-12-30			91	2013-12-31					Identified
10683	NYCDOB	Self-Certification of Plumbing Inspection/Test	None Assigned	Installation of boilers at WTP	Robert Goldin					-122	2013-08-01					Submitted
18615	NYSDC	Hazardous Substance Bulk Storage Registration (Chemical Bulk Storage Registration)	2-000508	Chemical storage tanks for Chemicals (other than Sodium Hypochlorite) at the Water Treatment Plant. <Comment>: The permit application was submitted to the NYCDEP for review on 9/7/13.	Lauren D'Attilio					0	2013-10-01					DEP Review
3252	NYCDOB	Electrical Permit (Form ED-76A)	Y139433	Temporary construction for CRO-312G. <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Jeffrey Smalls									2007-11-30	2010-11-30	Obtained/Compliance
3255	NYCDOB	Electrical Permit (Form ED-76A)	Y139596	Temporary construction and general wiring for CRO-312G. <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys									2007-12-11	2010-12-11	Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Application Submission	Permit Application Submission Date	Permit Application Approval Date	Days to Application Approval	Permit Application Required Date	Permit Expiration Date	Days to Expiration	Permit Status
3256	NYCDOB	Electrical Permit (Form ED-16A)	Y139997	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg					2007-12-12	2010-12-12	-1024	Obtained/Com pliance
3257	NYCDOB	Electrical Permit (Form ED-16A)	Y140447	General wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg					2008-02-15	2011-02-15	-859	Obtained/Com pliance
3258	NYCDOB	Electrical Permit (Form ED-16A)	Y140598	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys					2008-02-28	2011-02-28	-945	Obtained/Com pliance
3259	NYCDOB	Electrical Permit (Form ED-16A)	Y140737	Temporary construction for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Jeffrey Smalls					2008-03-07	2011-03-07	-939	Obtained/Com pliance
3260	NYCDOB	Electrical Permit (Form ED-16A)	Y141202	Temporary construction for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Jeffrey Smalls					2008-04-02	2011-04-02	-913	Obtained/Com pliance
3261	NYCDOB	Electrical Permit (Form ED-16A)	Y141529	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys					2008-04-24	2011-04-24	-891	Obtained/Com pliance
8441	NYCDPR	Permit to perform work on Parks Property	X-19-10 NF	Provide new electric service to NYCDPR's clubhouse and maintenance buildings via the Shandler Recreation Area access road. <Comment>: Work is completed. An inspection must be completed and as-builts submitted in order to close out permit.	Lawrence Graf		2010-07-20			2010-12-20	2011-05-28	-857	Obtained/Com pliance
3262	NYCDOB	Electrical Permit (Form ED-16A)	Y143324	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys					2108-08-25	2011-08-25	-766	Obtained/Com pliance

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3263	NYCDOB	Electrical Permit (Form ED-16A)	Y145895	Temporary construction and temporary light and power for CRO-312P <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg						2009-03-18	2012-03-18	-562	Obtained/Compliance
5038	NYCDOB	Electrical Permit (Form ED-16A)	Y145894	Temporary construction and temporary light and power for CRO-312H <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg						2009-03-18	2012-03-18	-532	Obtained/Compliance
12091	NYCDOB	Electrical Permit (Form ED-16A)	Y 147843	Temporary light and power for Contract 312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys						2009-08-04	2012-08-04	-423	Obtained/Compliance
6195	NYCDOB	Electrical Permit (Form ED-16A)	Y148441	Mounting of equipment only for Contract CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg						2009-09-21	2012-09-21	-375	Obtained/Compliance
6194	NYCDOB	Electrical Permit (Form ED-16A)	Y148442	Mounting of equipment only for Contract CRO-312H <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg						2009-09-21	2012-09-21	-375	Obtained/Compliance
3246	NYCDEP	Construction Activity Variance - Noise Abatement	CAV-07-002	Required for construction of Contract CRO-312G for 8 AM start <Comment>: Request to continue 6 AM start work sent to NYCDEP on 2/12/13.	Harold Miller						2007-10-15	2013-03-31	-184	Obtained/Compliance
7880	NYCDOB	Electrical Permit (Form ED-16A)	Y150789	General wiring for CRO-312P <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Stanley Smith						2010-04-07	2013-04-07	-177	Obtained/Compliance
8609	NYCDOB	Electrical Permit (Form ED-16A)	Y 152637	Temporary construction for Contract Et (EJ Electric) <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Robert Mann						2010-08-24	2013-08-24	-38	Obtained/Compliance
8526	NYCDOB	Electrical Permit (Form ED-16A)	Y 152654	General wiring for Contract CRO-312E2 (New York Electrical Power)	Arthur Grossman						2010-09-14	2013-09-14	-17	Obtained/Compliance

the temporary work is completed.



Permit Tracking
System

CRO-312 (Construction) Permit Log And Variance Report (140 Permits)

AM: Bernard Daly CM: Laura Constantine

WM-11 CROTON WATER TREATMENT PLANT
EXHIBIT 12A

Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date	Days to Required Application Approval	Permit Application Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
8525	NYCDOB	Electrical Permit (Form ED-16A)	Y 152900	General wiring for Contract CRO-312E2 (Angel Electric) Work completed	Daniel Hernandez	Permit to be closed out			2010-09-16	2013-09-16	-15	Obtained/Compliance
15553	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	ON 670/12	Tadano crane - serial # 540488 ***This permit needs days for renewal process	Harold Miller	Crane inspected and approved for use on 7/16/2013			2012-09-17	2013-09-17	-14	Obtained/Compliance
14049	NYSDEC	State Pollution Discharge Elimination System Permit (NY-2C) for industrial Discharges	NY-0200859	Discharge start-up water to the blow-off at Shaft 25 of the New Croton Aqueduct. ***This permit needs 180 days for renewal process	Edward Coleman	Permit has been renewed	2011-08-25		2012-10-01	2013-09-30	-1	Obtained/Compliance
8527	NYCDOB	Electrical Permit (Form ED-16A)	Y 153307	General wiring for Contract CRO-312E2 (Weisbach Electric) Work completed	Diamond Tsai	Permit to be closed out			2010-10-25	2013-10-25	24	Obtained/Compliance
3218	FDNY	Petroleum Fuel Equipment Approval	2013375967 / 2013375968	8,000 gallon below grade fuel oil tank and 280 gallon day tank for permanent emergency generator	Donald Spiegel		2010-07-06		2013-07-03	2013-11-01	31	Obtained/Compliance
18140	NYCDOB	Construction Activity Permit	X02-2013252-039	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St.	Harold Miller				2013-09-10	2013-11-15	45	Obtained/Compliance
18618	NYCDOB	Construction Activity Permit	X02-2013252-007	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St. to place material on the street	Harold Miller				2013-09-10	2013-11-15	45	Obtained/Compliance
18619	NYCDOB	Street Opening Permit	X02-2013252-008	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St. to place a backhoe	Harold Miller				2013-09-10	2013-11-15	45	Obtained/Compliance
17478	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CD 3269	Liebert crane - serial #070552 ***This permit needs days for renewal process	Harold Miller				2013-02-26	2013-12-05	65	Obtained/Compliance
3276	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CD 3622	Tadano - serial # 540488 ***This permit needs days for renewal process	Harold Miller		2009-01-07		2009-01-12	2013-12-20	80	Obtained/Compliance
12670	NYCDEP	Fuel Oil Burning Notice of Application/Plans Approval and Certificate of Operations	0875-10Y	Installation of 2 boilers at WTP - Emission Point 2	Donald Spiegel		2010-05-11		2010-08-04	2013-12-30	90	Obtained/Compliance
12671	NYCDEP	Fuel Oil Burning Notice of Application/Plans Approval and Certificate of Operations	0874-10X	Installation of 2 boilers at WTP - Emission Point 1	Donald Spiegel		2010-05-11		2010-08-04	2013-12-30	90	Obtained/Compliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date	Actual	Days to Required Application Approval	Permit Application Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
3249	Con Ed	Consultation	None Assigned	Working near Con Ed electrical services associated with this permit. <Comments>: There is no expiration date associated with this permit.	Max Klavensky					2007-08-21			Obtained/Compliance
9719	FDNY	Access Roadways	None Assigned	FDNY Fire Truck Site Access Roadways <Comments>: Verbal approval was obtained on 12/14/10. There is no expiration date associated with this permit.	Lauren D'Attilio					2010-12-14			Obtained/Compliance
3229	FDNY	Bulk Storage of Acids Plan Approval	None Assigned	Storage of permanent acids at Water Treatment Plant. <Comments>: There is no expiration date associated with this permit.	Donald Spiegel					2010-09-20			Obtained/Compliance
8933	FDNY	Chemical Storage and Feed System Approval	None Assigned	Chemical storage and feed system installation for Contract CRO-312G. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attilio		2010-07-15			2010-09-20			Obtained/Compliance
8929	FDNY	Clean Agent Fire Suppression System	None Assigned	Clean agent fire suppression system installation for Contract CRO-312P. <Comments>: Electrical portion approved. Mechanical portion approved with conditions. There is no expiration date associated with this permit.	Lauren D'Attilio		2010-08-18			2010-09-07			Obtained/Compliance
17322	FDNY	Compressed Gases	F 22327	Storage of acetylene and oxygen for construction for Contract CRO-312H	Lawrence Graff					2013-05-16	2014-05-16	227	Obtained/Compliance
17320	FDNY	Compressed Gases	F 22323	Storage of compressed gases for Contract CRO-312E1	Lawrence Graff					2013-05-11	2014-05-11	222	Obtained/Compliance
18134	FDNY	Compressed Gases	F 08307	Storage of acetylene and oxygen for construction for Contract CRO-312G	Anthony Rosano					2013-08-06	2014-08-06	308	Obtained/Compliance
8931	FDNY	Dry Chemical Fire Suppression Approval	30186698	Dry chemical fire suppression system installation for Contract CRO-312P. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attilio					2011-04-15			Obtained/Compliance
8131	FDNY	Fire Alarm System	None Assigned	Approval of fire alarm system design <Comments>: There is no expiration date associated with this permit.	Donald Spiegel					2011-02-14			Obtained/Compliance
8932	FDNY	Gas Detection System Approval	None Assigned	Gas detection system installation for Contract CRO-312E. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attilio					2011-06-02			Obtained/Compliance
18137	FDNY	Hazardous Chemicals	F 08308	Storage of flammable liquids on-site for Contract CRO-312G	Anthony Rosano					2013-08-06	2014-08-06	308	Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Application Submission	Permit Application Submission Date	Days to Required Application Approval	Permit Application Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
9187	FDNY	In-Building Wireless Radio Installation Approval	None Assigned	Approval of In-Building Wireless Radio System Installation. <Comments>: There is no expiration date associated with this approval.	Lauren D'Attila		2010-07-30			2011-01-14		Obtained/Compliance
17319	FDNY	Lubricating Oils	F 23323	Fuel storage for Contract CRO-312E1	Lawrence Graff					2014-05-11	222	Obtained/Compliance
18136	FDNY	Open Fires Portable Devices	F 08310	Open flame portable kettle for Contract CRO-312G.	Harold Miller					2014-08-05	308	Obtained/Compliance
18135	FDNY	Paints/Lacquers/Varnishes Storage/Use	F 08309	Storage of paint for Contract CRO-312G.	Harold Miller					2014-08-05	308	Obtained/Compliance
8930	FDNY	Pre-Action System Approval	30200869	Pre-action system installation for Contract CRO-312P. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attila		2010-07-06			2011-04-15		Obtained/Compliance
18824	FDNY	Review of Natural Gas Protection/Shutdown Approval	None Assigned	Natural gas protection/shutdown approval for Contract CRO-312P. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attila		2010-09-20			2011-06-02		Obtained/Compliance
8130	FDNY	Sprinkler and Standpipe Permit	None Assigned	Approval of standpipe and sprinkler design <Comments>: Approved by the Bureau of Electrical Control Advisory Board on 4/18/12 with conditions. There is no expiration date associated with this permit.	Donald Spiegel		2010-08-09			2012-04-18		Obtained/Compliance
18139	FDNY	Storage/Use of Ammunition for Powder Activated Tools	F 08308	Use of ammunition for powder activated tools at site for Contract CRO-312G	Anthony Rosano					2014-08-05	308	Obtained/Compliance
18133	FDNY	Storage/Use of Flammable and Combustible Liquids	F 08311	Storage and use of 30 gallons of organic peroxide for Contract CRO-312G	Anthony Rosano					2014-08-05	308	Obtained/Compliance
17318	FDNY	Storage/Use of Pressurized Products	F 22323	Fuel storage for Contract CRO-312E1	Lawrence Graff					2014-05-11	222	Obtained/Compliance
17321	FDNY	Storage/Use of Pressurized Products	F 22327	Storage of flammable liquids at site for Contract CRO-312H	Lawrence Graff					2014-05-16	227	Obtained/Compliance
17323	FDNY	Torch Operations	F 22327	Storage of acetylene and oxygen for construction for Contract CRO-312H	Lawrence Graff					2014-05-16	227	Obtained/Compliance
18138	FDNY	Torch Operations	F 08308	Storage of acetylene and oxygen for construction for Contract CRO-312G	Anthony Rosano					2014-08-05	308	Obtained/Compliance
3184	NYCDC	Design Commission Approval	28373/23692	Architectural above grade structures for the WTP - initial and final approval <Comments>: There is no expiration date associated with this permit. Initial approval was obtained on 12/8/08.	Donald Spiegel					2009-10-05		Obtained/Compliance

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6369	NYCDEP	Uniform Land Use Review Procedure	None Assigned	ULURP was completed for the Moshulu site <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Alexander Kimball					1998-12-30			Obtained/Compliance
4121	NYCDEP	Air Pollution - Work Permit	PS 0328-13M	Kaeser Compressor - serial #1397	Harold Miller		2008-03-24			2008-04-10	2016-07-19	1022	Obtained/Compliance
8522	NYCDEP	Air Pollution - Work Permit	None Assigned	Marathon Equipment, Inc. Milling Kettle - serial # 2M9GMK41TBH102205	Harold Miller		2011-05-19						Submitted
12673	NYCDEP	Air Pollution - Work Permit	PS 0526-11J	Installation of 2000 KW Emergency Generator at WTP	James Schaefer		2011-11-17			2011-12-19	2014-12-18	443	Obtained/Compliance
8523	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	10027844	Double check valve at north water meter pit and double check valve at south water meter pit. <Comment>: There is no expiration date associated with this permit. Expiration date is associated with annual test for valve at south meter pit.	Donald Spiegel		2010-07-13			2010-07-26	2014-04-02	183	Obtained/Compliance
3200	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	05015059	2 devices installed during construction for water. <Comment>: There is no expiration date associated with this permit. Expiration date is associated with annual test.	Harold Miller					2008-05-20	2014-04-02	183	Obtained/Compliance
13068	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	12036778	Permit is for permanent domestic water service (6 inch) BFP Devices #1 and #2, (10 inch) BFP Device #3, and BFP Device #10 for the infiltration trench. <Comment>: Expiration date is associated with annual test for devices 1, 2 and 3.	Donald Spiegel					2012-02-10	2014-05-31	242	Obtained/Compliance
11775	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance Report	12037547	Permit is for 7 BFP Devices #4A, 4B, and 5-9. <Comment>: Expiration date is associated with the annual test for devices 8 and 9. Annual test for devices 5-7 expires on 5/24/14.	Donald Spiegel					2012-04-08	2014-05-10	221	Obtained/Compliance
8390	NYCDEP	City Environmental Quality Review Environmental Impact Statement	None Assigned	Final Supplemental EIS and Minor Modification was prepared. <Comment>: The approval date is for the EIS. The Minor Modification was approved on 6/24/08. "No Expiration Date Required"	Donald Spiegel					2004-08-30			Obtained/Compliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Application Submission	Permit Application Submission Date	Permit Application Required Date	Permit Application Approval Date	Days to Application Approval	Permit Expiration Date	Days to Permit Expiration	Permit Status
5637	NYCDEP	Construction Activity Variance - Noise Abatement	None Assigned	Required for construction of Contract CRO-312G for Saturday work. <Comment>: An e-mail approval was obtained for this permit. There is no expiration date identified in the e-mail.	Harold Miller				2008-07-11				Obtained/Compliance
9229	NYCDEP	Construction Activity Variance - Noise Abatement	None Assigned	Required for construction of Contract CRO-312E1 for 5 AM start time	Lawrence Graff		2010-11-10						Submitted
3155	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312E1 <Comment>: This permit was revised to extend the normal work hours from 8:00 pm to 11:30 pm. There is no expiration date associated with this permit.	Lawrence Graff				2008-12-05				Obtained/Compliance
3155	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312E2 <Comment>: This permit was revised to extend the normal work hours from 8:00 pm to 11:30 pm. There is no expiration date associated with this permit.	Lawrence Graff				2008-12-05				Obtained/Compliance
3157	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312G <Comment>: There is no expiration date associated with this permit. A modification to the existing plan was issued on 10/20/09.	Harold Miller				2008-08-21				Obtained/Compliance
3158	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312P <Comment>: There is no expiration date associated with this permit.	Jim Hayden				2008-10-31				Obtained/Compliance
3158	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312H <Comment>: There is no expiration date associated with this permit. A modification to the existing plan was issued on 12/5/09.					2008-10-01				Obtained/Compliance
18132	NYCDEP	Customer Service Permit	655442	Discharge wastewater from Shaft 25	Harold Miller				2013-08-21		2014-08-11	314	Obtained/Compliance
16630	NYCDEP	Hydrant Permit	653625	Use of hydrant to fill water truck. *No Expiration Date Required*	Harold Miller				2013-04-15		2013-10-11		Obtained/Compliance
16629	NYCDEP	Hydrant Permit	653623	Use of hydrant to fill water truck. *No Expiration Date Required*	Harold Miller				2013-04-15		2013-10-11		Obtained/Compliance
12619	NYCDEP	Industrial Wastewater Discharge Permit	11-P2217-1	Discharge from WTP to sewer	Harold Miller				2011-10-25		2016-10-24	1119	Obtained/Compliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date	Actual Date	Days to Required Application Approval	Permit Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
3233	NYCDEP	Not an Asbestos Project Notification (Form ACP5)	None Assigned	Ice House demolition. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Harold Miller	213	2014-05-02		243	2014-06-01			Identified
16098	NYCDEP	Permit for Tap, Plug, Wet Connection, Repair/Relay of Water Service Line	645419	Install an 8 inch fire service water connection onto the existing 12 inch water line on Jerome Ave. <Comment>: There is no expiration date associated with this permit.	Harold Miller					2019-01-07			Obtained/Com pliance
16087	NYCDEP	Permit for Tap, Plug, Wet Connection, Repair/Relay of Water Service Line	648534	Install wet tap on new water main piping to provide water service to DEP Police Booth.	Harold Miller			2013-01-07		2013-02-14			Obtained/Com pliance
3161	NYCDEP	Registration for Demolition	None Assigned	Demolition of the Ice House <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Harold Miller	213	2014-05-02		243	2014-06-01			Identified
7642	NYCDEP	Trailer Connection Permit	SCX-05412(t)	Sewer connection to Skanska/Tully and CM trailer	Harold Miller					2012-02-22	2014-02-22	144	Obtained/Com pliance
18131	NYCDEP	Wastewater Quality Control Permit	C-4699	Discharge wastewater from Shaft 25	Harold Miller					2013-08-12	2014-08-11	314	Obtained/Com pliance
18617	NYCDEP	Wastewater Quality Control Permit	C-5227	Effluent generated during chlorinated disinfection discharge	Harold Miller					2013-09-10	2014-09-10	344	Obtained/Com pliance
16089	NYCDEP	Water meter	645420	Install an 8 inch fire service water connection onto the existing 12 inch water line on Jerome Ave. <Comment>: There is no expiration date associated with this permit.	Harold Miller					2013-01-07			Obtained/Com pliance
6267	NYCDEP	Water meter	619608	North water meter pit <Comment>: There is no expiration date associated with this permit.	Harold Miller			2012-01-23		2012-01-30			Obtained/Com pliance
8285	NYCDEP	Water meter	575220	South water meter pit <Comment>: There is no expiration date associated with this permit.	Harold Miller			2010-05-16		2010-07-01			Obtained/Com pliance
16687	NYCDOB	Builder Pavement Plan	None Assigned	Pavement construction on the WTP Site <Comment>: There is no expiration date associated with this permit.	Donald Spiegel			2011-10-12		2012-12-11			Obtained/Com pliance
13072	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 326/11	Tadano crane serial #540399	Harold Miller					2011-06-17	2014-06-17	259	Obtained/Com pliance
17326	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 334/13	Liebherr crane - serial #070552	Harold Miller					2013-05-20	2014-05-20	231	Obtained/Com pliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Application Submission	Permit Application Submission Date	Days to Required Application Approval	Permit Application Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
18516	NYCDOB	Cranes/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 609/13	Liebherr crane - serial #070692 <Comments>: There is no expiration date associated with this permit.	Harold Miller		2013-06-18		2013-06-28			Obtained/Compliance
12092	NYCDOB	Electrical Permit (Form ED-16A)	Y 157338	General wiring and other for emergency generator for Contract E1 (KND)	Kristine Denapoli				2011-09-15	2014-09-15	349	Obtained/Compliance
9891	NYCDOB	Electrical Permit (Form ED-16A)	Y 154675	General wiring, elevator, HVAC wiring, boiler/burner wiring, and temporary light and power for Contract CRO-312E1 (EJ Electric)	Robert Mann				2011-02-16	2014-02-16	138	Obtained/Compliance
9958	NYCDOB	Electrical Permit (Form ED-16A)	Y 155261	General wiring for Contract E2 (Hawkeye)	Patrick Pollari				2011-04-06	2014-04-06	187	Obtained/Compliance
13777	NYCDOB	Electrical Permit (Form ED-16A)	Y 159625	General wiring on 4000 level Plant B zones 10-19, 25-28 elev. 188 for Contract CRO-312E1 <Comments>: There is no expiration date associated with this permit.	Craig Gilston				2012-04-12			Obtained/Compliance
12093	NYCDOB	Electrical Permit (Form ED-16A)	Y 156089	Temporary construction for Contract 312G	Paul Kleinberg				2011-06-08	2014-06-08	250	Obtained/Compliance
13069	NYCDOB	Electrical Permit (Form ED-16A)	Y 158844	General wiring for level 4000, zones 1 through 9, elevation 168 feet	Craig Gilston				2012-01-31	2015-01-31	487	Obtained/Compliance
12060	NYCDOB	Electrical Permit (Form ED-16A)	Y 157300	Electrical work for emergency generator for Contract E1 (KND)	Kristine Denapoli				2011-09-13	2014-09-13	347	Obtained/Compliance
15557	NYCDOB	Electrical Permit (Form ED-16A)	Y 161464	General wiring and lighting work for Contract CRO-312E1 <Comments>: There is no expiration date associated with this permit.	Rucklin Drummond				2012-09-07			Obtained/Compliance
15580	NYCDOB	Electrical Permit (Form ED-16A)	Y 161636	General wiring for Contract CRO-312E1 <Comments>: There is no expiration date associated with this permit.	Kwok Li				2012-09-12			Obtained/Compliance
14020	NYCDOB	Electrical Permit (Form ED-16A)	Y 160177	General wiring for Contract CRO-312E1 <Comments>: There is no expiration date associated with this permit. This permit replaces permit Y154684.	Martin Aljewicz				2012-05-29			Obtained/Compliance
14018	NYCDOB	Electrical Permit (Form ED-16A)	Y 160174	Temporary light and power for CRO-312E1/E2 <Comments>: There is no expiration date associated with this permit. This permit replaces permit Y145743.	Martin Aljewicz				2012-05-29			Obtained/Compliance
14022	NYCDOB	Electrical Permit (Form ED-16A)	Y 160179	Service work/notify utility for CRO-312E2 <Comments>: There is no expiration date associated with this permit. This permit replaces permit Y145740.	Martin Aljewicz				2012-05-29			Obtained/Compliance



Permit Tracking
System

CRO-312 (Construction) Permit Log And Variance Report (140 Permits)

AM: Bernard Daly CM: Laura Constantine

WM-11 CROTON WATER TREATMENT PLANT
EXHIBIT 12A

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Permit Application Approval Required	Permit Application Approval Actual	Permit Expiration Date	Days to Expiration	Permit Status
14023	NYCDOB	Electrical Permit (Form ED-16A)	Y 160180	Temporary construction and temporary light & power for Contract CRO-312E2. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y148706.	Martin Aljewicz				2012-05-29			Obtained/Compliance
14046	NYCDOB	Electrical Permit (Form ED-16A)	Y 160181	Temporary light and power for CRO-312E1. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y145744.	Martin Aljewicz				2012-05-29			Obtained/Compliance
12980	NYCDOB	Electrical Permit (Form ED-16A)	Y 158463	General wiring for Contract CRO-312E1 (Gilston)	Craig Gilston				2011-12-20	2014-12-20	445	Obtained/Compliance
14021	NYCDOB	Electrical Permit (Form ED-16A)	Y 160178	Temporary light and power for CRO-312E2. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y145741.	Martin Aljewicz				2012-05-29			Obtained/Compliance
14019	NYCDOB	Electrical Permit (Form ED-16A)	Y 160175	Electrical substation for CRO-312 at the WTP site. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y150255.	Martin Aljewicz				2012-05-29			Obtained/Compliance
3281	NYCDOB	Elevator Application (Form ELV-1)	105-11	Installation of 1 passenger elevator at the WTP. <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz				2011-01-26			Obtained/Compliance
3282	NYCDOB	Elevator Application (Form ELV-1)	106-11	Installation of 1 passenger elevator at the WTP. <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz				2011-01-26			Obtained/Compliance
3283	NYCDOB	Elevator Application (Form ELV-1)	102-11	Installation of 1 freight elevator at the WTP. <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz				2011-01-26			Obtained/Compliance
3280	NYCDOB	Elevator Application (Form ELV-1)	104-11	Installation of 1 passenger elevator at the WTP. <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz				2011-01-26			Obtained/Compliance
3284	NYCDOB	Elevator Application (Form ELV-1)	103-11	Installation of 1 freight elevator at the WTP. <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz				2011-01-26			Obtained/Compliance



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3163	NYCDOB	Notice of Excavation	None Assigned	Excavation work for Contract CRO-312G (utilities) <Comment>: There is no expiration date associated with this notice.	Harold Miller		2009-07-15			2009-08-14			Obtained/Compliance
3291	NYCDOB	Technical Report Statement of Responsibility	None Assigned	Gas pipeline <Comment>: There is no expiration date associated with this permit.	Ted Kozlars		2013-01-14			2013-01-28			Obtained/Compliance
3290	NYCDOB	Work Permit Application	None Assigned	Demolition of the Joe House <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Harold Miller	213	2014-05-02		243	2014-06-01			Identified
17481	NYCDOB	Work Permit Application	220287598-01-EW-BL	Boiler installation and testing at WTP	Robert Durr					2013-08-21	2014-06-21	263	Obtained/Compliance
11777	NYCDOB	Work Permit Application	220089678-01-PL	Permit is for the plumbing and natural gas service at the WTP	Robert Goldin					2011-08-08	2014-06-10	252	Obtained/Compliance
3216	NYSDEC	Hazardous Substance Bulk Storage Registration (Chemical Bulk Storage Registration)	2-000506	Chemical storage tanks for Sodium Hypochlorite at the Water Treatment Plant	Lauren D'Attila			2013-05-20		2013-07-01	2015-06-14	621	Obtained/Compliance
2835	NYSDEC	Petroleum Bulk Storage Facility Registration	PBS Number 2-6009981	3 aboveground diesel tanks including 8,000 gal. diesel tank and 280 gal. day tank <Comment>: Signed certificate dated 4/3/13 for 8,000 gal, 250 gal, and 750 gal tanks.	Gerard Cox					2005-07-12	2015-07-12	648	Obtained/Compliance
4993	NYSDEC	State Facility Permit	2-5099-0001170 0005	Installation of 4 boilers and 1 emergency generator at Water Treatment Plant <Comment>: There is no expiration date associated with this permit. Permit modification received on 8/7/09.	Donald Spiegel					2007-02-26			Obtained/Compliance
3191	NYSDEC	State Pollution Discharge Elimination System General Permit for Stormwater Discharges (GP-Q-08-01)	NYR101142	Construction activities at Water Treatment Plant site <Comment>: There is no expiration date associated with this permit.	Vincent Moorehead					2008-05-01			Obtained/Compliance
2922	NYSDEC	Stormwater Pollution Prevention Plan for Stormwater Discharges	None Assigned	Construction activities at Water Treatment Plant site <Comment>: There is no expiration date associated with this permit. *No Expiration Date Required*	Vincent Moorehead					2004-12-20			Obtained/Compliance
3217	NYSDEC	United States Environmental Protection Agency (USEPA) Identification Number	NYR00072845 2	Hazardous waste removal from site <Comment>: There is no expiration date associated with this permit. *No Expiration Date Required*	Bernard Daly		2004-12-03			2005-01-05			Obtained/Compliance
9859	NYSDEC	Waste Transporter Permit	1A-839	Transportation of soil for Contract CRO-312G by Silverite Contracting Corporation	Harold Miller					2011-03-08	2014-03-07	157	Obtained/Compliance



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4786	NYSDEC	Waste Transporter Permit	NJ-197	Transportation of regulated waste by Auchter Industrial Vac Service, Inc. for Contract CRO-312H	Sal Caranico			2008-07-01			2014-06-30	272	Obtained/Compliance
4120	NYSDEC	Waste Transporter Permit	NJ-113	Transportation of regulated waste by Freehold Carriage, Inc.	Harold Miller			2008-07-01			2014-06-30	272	Obtained/Compliance
6392	NYSDOH	Approval of Plans for Public Water Supply Improvement	Log No. 16727, DWRF No. 16479	Construction of Water Treatment Plant <Comment>: There is no expiration date associated with this permit.	Donald Spiegel		2006-04-26						Obtained/Compliance
6391	NYSDOH	State Environmental Review Certification for New York State Revolving Fund Program	None Assigned	Project is under New York State Revolving Fund Program	James Mueller								Obtained/Compliance
3250	Time Warner Cable	Consultation	None Assigned	Working near Time Warner Cable services <Comment>: There is no expiration date associated with this permit.	Lawrence Graft			2007-08-21					Obtained/Compliance
3232	USEPA	Spill Prevention, Control and Countermeasure Plan	None Assigned	Plan for operations during construction <Comment>: This plan was updated in 11/2012. There is no expiration date associated with this permit.				2012-11-28					Obtained/Compliance
3167	USEPA	Underground Injection Control - Area Permit	05NY00526005	Infiltration trench <Comment>: Letter identifying modifications made to the trench was submitted to the USEPA on 5/19/09.	Donna Heger			2004-12-09			2014-12-09	434	Obtained/Compliance
3251	Verizon	Consultation	None Assigned	Working near Verizon services <Comment>: There is no expiration date associated with this permit.	Lawrence Graft			2007-08-21					Obtained/Compliance

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16484	NYCDOB	Application for Building Enforcement Safety Team Recommendation for Mechanical Means Demolition	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings. <Comments> Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-33	2013-08-29		-5	2013-09-26			Identified
16485	NYCDOB	Building Enforcement Safety Team Pre-Demolition Inspection Application	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings. <Comments> Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-33	2013-08-29		-5	2013-09-26			Identified
8170	NYCDEP	Registration for Demolition	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings. <Comments> Permit application was completed on 9/5/13. It is currently being reviewed by NYCDEP.	Joseph Ascolese	-26	2013-09-05		2	2013-10-03			Identified
17575	NYCDDOT	Construction Activity Permit	None Assigned	Closure of two eastbound lanes west of Goulden Ave. intersection to work in Shaft 3. <Comments> Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-25	2013-09-06		-10	2013-09-21			Identified
3076	NYCDOB	Self-Certification of Plumbing Inspection/Test	None Assigned	Plumbing work at Shaft and Meter Chamber and at Gate House 5. <Comments> Permit due dates are adjusted each month based on changes to project schedule.	John Clukies	-9	2013-09-22		19	2013-10-20			Identified
3018	NYCDOB	Sewer Self Certification Site Connection Proposal	None Assigned	New sump pump at S&M Chamber will drain to existing combined sewer pipe in front of GH 5. <Comments> Permit due dates are adjusted each month based on changes to project schedule.	John Clukies	-9	2013-09-22		19	2013-10-20			Identified
2984	NYCDEP	Registration for Demolition	None Assigned	Demolition of Microstrainer Building <Comments> Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-1	2013-09-30		27	2013-10-28			Identified
3088	NYCDOB	Application for Building Enforcement Safety Team Recommendation for Mechanical Means Demolition	None Assigned	Demolition of Microstrainer Building <Comments> Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-1	2013-09-30		27	2013-10-28			Identified
3089	NYCDOB	Building Enforcement Safety Team Pre-Demolition Inspection Application	None Assigned	Demolition of Microstrainer Building <Comments> Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-1	2013-09-30		27	2013-10-28			Identified

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6171	NYCDEP	Not an Asbestos Project Notification (Form ACP5)	None Assigned	Will be filed after asbestos removed from Demo WTP foundation and prior to its demolition - multiple stages. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	2	2013-10-03		30	2013-10-31			Identified
17577	NYCDEP	Asbestos Inspection Report Asbestos Project Notification (Form ACP7)	None Assigned	Removal of asbestos from a window at GH 7 by ATF. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	44	2013-11-14		72	2013-12-12			Identified
7227	NYCDPR	Tree Work Permit	BX10-004	Tree removal/trimming at Gate House 1 by Eldor Electric. <Comment>: The work is completed except for the cleanup tasks, which cannot be completed until the other contractors in the area finish their work.	Joseph Ascolese			2009-12-15		2010-01-13	2010-12-31	-1005	Obtained/Compliance
3006	NYCDPR	Tree Work Permit	BX10-003	Tree removal/trimming at Gate House 1 by Picon-Schlaivone. <Comment>: Permitted work completed. Restoration cannot be done until all work in the area is completed.	Joseph Ascolese			2010-01-13		2010-01-13	2011-03-06	-840	Obtained/Compliance
5473	NYCDOB	Electrical Permit (Form ED-18A)	Y145935	Electrical work for construction and temporary trailer complex. <Comment>: As per the NYCDOB, this permit is in effect until work is completed.	John Villafane			2009-03-20		2009-03-20	2012-03-20	-560	Obtained/Compliance
4806	NYCDOB	Electrical Permit (Form ED-18A)	Y145300	General Wiring at Gate House 1. <Comment>: As per the NYCDOB, this permit is in effect until work is completed.	John Villafane			2009-04-16		2009-04-16	2012-04-16	-533	Obtained/Compliance
5838	NYCDOB	Electrical Permit (Form ED-18A)	Y147159	General wiring at Gate House 5. <Comment>: As per the NYCDOB, this permit is in effect until work is completed.	John Villafane			2009-05-19		2009-05-19	2012-05-19	-459	Obtained/Compliance
5477	NYCDOB	Electrical Permit (Form ED-18A)	Y147380	General wiring and service work/utility utilities for Shaft and Meter Chamber. <Comment>: As per the NYCDOB, this permit is in effect until work is completed.	John Villafane			2009-08-28		2009-08-28	2012-08-28	-459	Obtained/Compliance
3080	NYSDOT	Highway Work Permit for Non-Utility Work	2010111220	Construction of access roadway to Gate House 1 site from I-87 southbound lane. <Comment>: Access road constructed. Restoration work will be completed when the work at GH 1 is completed.	Joseph Ascolese					2010-04-14	2013-01-30	-244	Obtained/Compliance

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3005	NYCDPR	Tree Work Permit	EX09-008	Tree removal/trimming at Jerome Park Reservoir <Comments>: A permit amendment was issued on 3/27/09.	Joseph Ascolese		2008-01-10		2008-03-06	2013-03-06	-209	Obtained/Compliance
15581	FDNY	Compressed Gases	F 21137	Use of acetylene at Jerome Park Reservoir	Joseph Ascolese				2012-09-17	2013-09-17	-14	Obtained/Compliance
15583	FDNY	Lubricating Oils	F 21137	Use of lubricating oils for project	Joseph Ascolese				2012-08-17	2013-08-17	-14	Obtained/Compliance
15584	FDNY	Storage/Use of Pressurized Products	F 21137	Storage/Use of pressurized products for project	Joseph Ascolese				2012-09-17	2013-09-17	-14	Obtained/Compliance
15582	FDNY	Torch Operations	F 21137	Use of acetylene and oxygen at Jerome Park Reservoir	Joseph Ascolese				2012-09-17	2013-09-17	-14	Obtained/Compliance
17487	NYCDOT	Construction Activity Permit	X02-2013165-010	To occupy the roadway in front of Major Deegan Expy NB ET 13 from Major Deegan Expy SB ET 13 to E. 233 St. to remove guardrail for parkland access.	Joseph Ascolese				2013-08-27	2013-09-27	-4	Obtained/Compliance
17484	NYCDOT	Construction Activity Permit	X02-2013165-005	To occupy the roadway at Goulden Ave. between Sedgwick Ave. and W. 205 St.	Joseph Ascolese				2013-08-27	2013-09-27	-4	Obtained/Compliance
17488	NYCDOT	Construction Activity Permit	X02-2013165-008	To occupy the roadway and/or sidewalk at Goulden Ave. from Bend to West 205 St. for jersey barrier	Joseph Ascolese				2013-06-27	2013-09-27	-4	Obtained/Compliance
17485	NYCDOT	Construction Activity Permit	X02-2013165-007	To occupy the roadway and/or sidewalk at Goulden Ave. from Bend to West 205 St.	Joseph Ascolese				2013-06-27	2013-09-27	-4	Obtained/Compliance
3072	Con Ed	Consultation	None Assigned	Construction adjacent to 138 KV duct bank along Goulden Ave. sidewalk <Comments>: There is no expiration date associated with this permit. Consultation meeting conducted on 3/12/10.	Joseph Ascolese		2009-04-06					Obtained/Compliance
8115	Con Ed	Consultation	Case Number 1228085	Upgrade of service at Gate House 1			2011-06-09					Submitted
8117	Con Ed	Consultation	Case Number 1228077	Upgrade of service at Gate House 5 <Comments>: There is no expiration date associated with this permit.			2011-06-09		2013-01-28			Obtained/Compliance
13029	FDNY	Approval for Day Storage Tank	None Assigned	Installation of 175 gallon sodium hypochlorite day storage tank in Gate House 5 <Comments>: There is no expiration date associated with this permit.	James Schaefer				2011-12-31			Obtained/Compliance



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6395	NYCDC	Design Commission Approval	23650	Restoration of Gate Houses 2, 3, 4, 6, and 7 <Comment>: There is no expiration date associated with this permit.	Arne Fareth						2008-10-05				Obtained/Com pliance
9074	NYCDEP	Air Pollution - Work Permit	None Assigned	Ingersoll Rand compressor (serial # 316224U1K728) at the S&M Meter Chamber for CRO-3120SG	Joseph Ascolese		2010-10-19								Submittal
9073	NYCDEP	Air Pollution - Work Permit	PB 007111R	Cummins emergency generator - serial # M08106701			2011-01-05				2011-01-18		2014-01-18	108	Obtained/Com pliance
3019	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	12037011	Installation of two different size backflow prevention devices at Gate House 5 <Comment>: There is no expiration date associated with this permit. Expiration date associated with annual tests.	James Schaefer						2012-02-24		2014-04-02	183	Obtained/Com pliance
9231	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	10029066	Installation of backflow preventer on temporary water line <Comment>: There is no expiration date associated with this permit. Expiration date associated with annual test.	James Schaefer				2010-10-05				2014-03-13	163	Obtained/Com pliance
18142	NYCDEP	Asbestos Inspection Report Asbestos Project Notification (Form ACP7)	None Assigned	Asbestos removal from the microstrainer building by ATF <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese						2010-10-07				Obtained/Com pliance
18944	NYCDEP	Asbestos Inspection Report Asbestos Project Notification (Form ACP7)	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings by ATF <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese						2013-04-16				Obtained/Com pliance
3071	NYCDEP	Construction Activity Variance - Noise Abatement	None Assigned	Required for work on weekends for Contracts CRO-3120S-E and 3120S-G <Comment>: Approval required periodically. When needed, an e-mail is sent to NYCDEP requesting approval and a confirmation response is obtained.	Joseph Ascolese						2009-10-01				Obtained/Com pliance
2987	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-G <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese						2009-05-11				Obtained/Com pliance
2988	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-H <Comment>: There is no expiration date associated with this permit.	Timothy Hodermarsky						2011-11-15				Obtained/Com pliance
2989	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-P <Comment>: There is no expiration date associated with this permit.	John Clukies						2010-08-26				Obtained/Com pliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Permit Application Submission Date Actual	Days to Required Application Approval	Permit Application Approval Date Required	Permit Expiration Date	Days to Expiration	Permit Status
2986	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-E <Comment>: There is no expiration date associated with this permit.						2009-07-27			Obtained/Com pliance
3015	NYCDEP	New Sewerage System Approval	SCX-131/12	Construct 400 ft of combined sewer piping adjacent to GH 5 and S&M Chamb. at JPR	James Schaefer			2012-04-06			2014-08-17	320	Obtained/Com pliance
3021	NYCDEP	Permit for Tap, Plug, Wet Connection, Repair/Relay of Water Service Line	551380	Water connect for temp. trailer complex in HP Annex at JPR <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese					2009-08-26			Obtained/Com pliance
3018	NYCDEP	Sewer Use Permit	550519	Temporary trailer complex and dewatering at the S&M Chamber permanent structure <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese					2009-08-17			Obtained/Com pliance
3014	NYCDEP	Trailer Connection Permit	SCX-284/09T	Temporary trailer complex in Harris Park Annex at Jerome Park Reservoir <Comment>: According to Mr. Spector at BWISO, the connection must be made within 2 years and there is no expiration date associated with this permit.	Joseph Ascolese					2009-08-06			Obtained/Com pliance
2985	NYCDEP	Water Meter Permit	551391	Installation of water meter at temporary trailer complex <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese					2009-08-26			Obtained/Com pliance
12104	NYCDEP	Water Meter Permit	627760/627761	Two water meters will be installed at Gate House 6, one for each service <Comment>: There is no expiration date associated with this permit.	John Chukias					2012-05-09			Obtained/Com pliance
4131	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 423/09	For Grove serial # 230008 and cranes associated with CDs 3217, 2911, 3030, 3064, and 3614 that are not currently on-site.	Joseph Ascolese			2009-05-28			2014-05-21	232	Obtained/Com pliance
14823	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 490/12	Grove serial # 230008	Joseph Ascolese			2012-06-20			2014-07-10	282	Obtained/Com pliance
5639	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CD 4100	Grove serial # 230003	Joseph Ascolese			2009-02-05			2014-02-10	132	Obtained/Com pliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date	Days to Required Application Approval	Permit Application Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
8293	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 222-10	For Grove serial # 230008 and Grove serial # 221023 at JPR south basin ramp. <Comment>: There is no expiration date associated with the CN renewal.	Joseph Ascolese		2010-04-14		2010-06-07			Obtained/Com pliance
15760	NYCDOB	Electrical Permit (Form ED-16A)	Y161975	Provide electrical services to Gate House 5 <Comment>: There is no expiration date associated with this permit.	John Villafane				2012-10-23			Obtained/Com pliance
16633	NYCDOB	Electrical Permit (Form ED-16A)	Y163679	General wiring under Contract CRO-3120S-P	John Villafane				2013-04-05	2016-04-05	917	Obtained/Com pliance
13077	NYCDOB	Electrical Permit (Form ED-16A)	Y 159667	Service work/hot/ulity and general wiring at Gate House 7	John Villafane				2012-02-01	2015-02-01	488	Obtained/Com pliance
12105	NYCDOB	Work Permit Application	220761063-01- PL	Modification to gas system for new hot water heater at Gate House 5	John Clukies		2012-01-04		2013-06-17	2014-06-17	259	Obtained/Com pliance
5474	NYCDPR	Permit to perform work on Parks Property	X-16-08 NF	Construction work will be performed in HP Annex at JPR and GH 1 for Contract 3120S-E			2009-06-19		2009-07-10	2014-01-31	122	Obtained/Com pliance
3010	NYCDPR	Permit to perform work on Parks Property	X-3-09 NFSI	Construction work will be performed in HP Annex at JPR and GH 1 for Contract 3120S-G	Joseph Ascolese		2009-01-14		2009-05-05	2014-01-31	122	Obtained/Com pliance
5592	NYSDEC	United States Environmental Protection Agency (USEPA) Identification Number	NYR00016732 0	Hazardous waste removal at GH 1 <Comment>: There is no expiration date associated with this permit. *No Expiration Date Required*	Bernard Daly				2009-08-31			Obtained/Com pliance
11779	NYSDEC	Waste Transporter Permit	NJ-777	Transportation of regulated waste by Munoz Trucking Corp.	Joseph Ascolese				2011-07-15	2014-09-28	362	Obtained/Com pliance
6890	NYSDOH	Approval of Plans for Public Water Supply Improvement	Log # 17902, DWSRF # 15479	Contract CRO-3120S construction work at JPR and GH 1 <Comment>: Alternate emergency bypass plans and specifications were approved by NYSDOH on 9/1/10. There is no expiration date associated with this permit.	James Schaefer		2007-09-21		2008-03-17			Obtained/Com pliance
6887	NYSDPRH P	Section 106 Consultation	06PR08191	Demolition of a section of the Old Croton Aqueduct <Comment>: There is no expiration date associated with this permit.	Erin Guire		2008-11-30		2009-12-01			Obtained/Com pliance
7461	NYSDPRH P	Section 106 Consultation	06PR02855	Modifications to GH 1, 2, 3, 5, and 7. Moshulu pumping station, JPR overflow weir, and demolition of microtrainer building <Comment>: There is no expiration date associated with this permit.	Erin Guire		2007-08-22		2007-09-25			Obtained/Com pliance

DAMAGE FOR DELAY ISSUE TRACKING LOG

WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013[illegible]

Note: CRO-312FM is currently the only contract to contain damage for delay language on the Croton Water Treatment Plant project.

CROTON WTP SUMMARY SCHEDULE

Activity ID	Activity Description	Early Start	Early Finish	2012	2013	2014
PLANT A						
10	PLANT A FIELD SYSTEM TESTING (BASE CONTRACT)	10OCT12A	21JUN13A			
40	LOAD NEW CHEMICAL CONTROL STRATEGIES/REDO FSTs	13JUN13A	01NOV13			
190	NAOCL TANK SANITIZING	26AUG13A	26AUG13A			
70	PLANT A DISINFECTION	15OCT13	29OCT13			
220	PLANT A STARTUP AND TESTING TO SHAFT 25	04NOV13	29DEC13			
PLANT B						
50	PLANT B FIELD SYSTEM TESTING - STAGE 1	01APR13A	02MAY13A			
240	HIGH TEMPERATURE SHUTDOWN	03MAY13A	21MAY13A			
180	PLANT B MEDIA PLACEMENT INCLUDING BACKWASHING	10MAY13A	11JUL13A			
250	PLANT B FIELD SYSTEM TESTING STAGE 2	22MAY13A	14NOV13			
210	LOAD NEW CONTROL STRATEGIES - BWUV/CHEM SYS	16JUL13A	14NOV13			
80	PLANT B DISINFECTION	15NOV13	29NOV13			
230	PLANT B STARTUP AND TESTING TO SHAFT 25	15JAN14	11MAR14			
COMMISSIONING						
200	FILL TW LOW SERVICE TUNNEL AND NCA SOUTH	12MAR14	18MAR14			
90	PLANT A COMMISSIONING AND DRAIN JPR	19MAR14	02APR14			
100	PLANT B COMMISSIONING AND DRAIN JPR	03APR14	17APR14			
110	PLANT A AND B COMMISSIONING AND DRAIN JPR	18APR14	02MAY14			
130	DISINFECT LOW SERVICE TUNNEL	03MAY14	16JUN14			
140	FIX LOOPS 3 AND 4	17JUN14	08DEC14			

**WM-11 CROTON WATER TREATMENT PLANT
SEPTEMBER 30, 2013**

CROTON WTP SUMMARY SCHEDULE

Activity ID	Activity Description	Early Start	Early Finish	2012												2013												2014											
				A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J						
CRO-334 CM PROJECTIONS																																							
CRO-334																																							
CRO-334-75	NCBA GAUGE VAULT - DEMOLITION AND REPAIR	21JUN13A	09JUL13A																																				
CRO-334-85	SHAFT 23 - REPLACE GRATING	17SEP13A	19SEP13A																																				
CRO-334-95	SHAFT 23 - INSTALL BLUE BOLTS	23SEP13A	25SEP13A																																				
CRO-334-99	SHAFT 23 - VENT CONNECTION	25SEP13A	03OCT13																																				
CRO-3120S CM PROJECTIONS																																							
CRO-3120S																																							
3120S-110	GH #5 WORK BELOW WATER LEVEL FOREBAY WALL REPAIR	01JAN11A	24MAY13A																																				
3120S-180	(2) HS TW CONSTRUCTION FROM CDC TO CHAMBER A	01JUL12A	01JUL13A																																				
3120S-275	CLEAN SOUTH BASIN DROP WELL	31JUL13A	01AUG13A																																				
3120S-195	FINAL STREET CONNECTIONS GOULDEN AVE. WMS	01JUL13A	06SEP13A																																				
3120S-285	TEST/DISINFECT/RESTORE GOULDEN AVE WM TO SERVICE	09SEP13A	09OCT13																																				
3120S-295	EMERGENCY BY PASS LEAK REPAIR	03SEP13A	11OCT13																																				
3120S-215	GH#5 COMPLETION/TESTING OF HYPO & SUMP DISCHARGE	13SEP12A	16OCT13																																				
3120S-190	VALVE CHAMBERS & VENTURI METERS IN GRASS AREA	13MAR13A	02DEC13																																				
3120S-235	COMPLETE ENTRY POINT MONITORING (CO 3120S-G-049)	12SEP12A	31JAN14																																				
3120S-255	REPLACE GUARD VALVE ON SOUTH RISER - SHAFT 3	21FEB13A	30APR14																																				
3120S-265	REPLACE ACTUATORS/GEARS & SMALL VALVES	28FEB13A	29MAY14																																				
3120S-185	SHAFT 3 INTERIOR WORK (INCLUDING CO-3120S-G-103)	07OCT13*	30JUN14																																				